

1964

1964	SUN.	MON.	TUE.	WED.	THU.	FRI.	SAT.	1964	SUN.	MON.	TUE.	WED.	THU.	FRI.	SAT.
JAN	.....	1	2	3	4			JUL	.....	1	2	3	4		
	5	6	7	8	9	10	11		5	6	7	8	9	10	11
	12	13	14	15	16	17	18		12	13	14	15	16	17	18
	19	20	21	22	23	24	25		19	20	21	22	23	24	25
	26	27	28	29	30	31	..		26	27	28	29	30	31	..
FEB	.....					1		AUG	.....					1	
	2	3	4	5	6	7	8		2	3	4	5	6	7	8
	9	10	11	12	13	14	15		9	10	11	12	13	14	15
	16	17	18	19	20	21	22		16	17	18	19	20	21	22
	23	24	25	26	27	28	29		23	24	25	26	27	28	29
	1	2	3	4	5	6	7		30	31	.....			
MAR	8	9	10	11	12	13	14	SEP	.....	1	2	3	4	5	
	15	16	17	18	19	20	21		6	7	8	9	10	11	12
	22	23	24	25	26	27	28		13	14	15	16	17	18	19
	29	30	31	.....					20	21	22	23	24	25	26
	.....	1	2	3	4				27	28	29	30	.....	
APR	5	6	7	8	9	10	11	OCT	.....		1	2	3		
	12	13	14	15	16	17	18		4	5	6	7	8	9	10
	19	20	21	22	23	24	25		11	12	13	14	15	16	17
	26	27	28	29	30	.....			18	19	20	21	22	23	24
	.....					1	2		25	26	27	28	29	30	31
MAY	3	4	5	6	7	8	9	NOV	1	2	3	4	5	6	7
	10	11	12	13	14	15	16		8	9	10	11	12	13	14
	17	18	19	20	21	22	23		15	16	17	18	19	20	21
	24	25	26	27	28	29	30		22	23	24	25	26	27	28
	31	.....							29	30	.....			
	.....	1	2	3	4	5	6		.....	1	2	3	4	5	
JUN	7	8	9	10	11	12	13	DEC	6	7	8	9	10	11	12
	14	15	16	17	18	19	20		13	14	15	16	17	18	19
	21	22	23	24	25	26	27		20	21	22	23	24	25	26
	28	29	30	.....					27	28	29	30	31	.....

Made in U. S. A.

MILTON SNEDEKER CORP'N

"Steps Forward in Forwarding"

44 Whitehall St., New York 4, N. Y.

Phone: BOWling Green 9-6770

ESTABLISHED 1919



Ocean Freight Forwarders
International Air Cargo Agents
Custom House Brokers
Marine Insurance
Cartage - Storage - Lighterage
Export Packing
Correspondents throughout the World

CABLE ADDRESS—MILSNED—NEW YORK

Steps Forward in Forwarding

1919-1964

Efficient documentation is just one of the many means by which an Ocean Freight Forwarder, Custom House Broker and Air Cargo Agent saves you money; frequently he's your personal representative to banks, suppliers, customs officials . . . a recognized traffic expert who knows the best rates, routes and carriers. If you could see the desk of a senior clerk in an established forwarding office, you would be amazed at the details essential to the handling of a single export or import shipment. The activity could be likened to that of a juggler trying to keep ten balls in the air simultaneously.

During the past year, our own company has experienced continued growth and progress. We have kept our customers better advised of important events in the world of shipping through our widely accepted news bulletin, "Stepping Forward". We have also moved our office to more modern, efficient quarters. In these and many other ways, we are constantly striving to serve you, our customers, to the best of our ability. As we enter our 45th year, we realize that this is still the very basis of our existence.

MILTON SNEDEKER CORP'N

IDENTIFICATION

Name..... HOBART M. VAN DEUSEN
Residence..... 13 STONEWOOD PKWY.
City..... MONTCLAIR, N.J.
Phone..... PI 4-5409

Bus. Add.....

City.....

Phone.....

Blood Type.....

In case of accident or illness, notify:

Name.....

Street.....

City.....

Phone.....

Insurance Agent.....

Phone.....

Car License No.....

Driver's License No.....

Social Security No.....

NAMES OF THE MONTHS

January was named for Janus, the Roman god who had two faces; one looking into the past and the other into the future.

February comes from the Latin word Februo, to purify. It was the time of the year for Roman ceremonies of purification.

March was named for Mars, Roman god of war, and in the time of Romulus it was the first month in the year. In this day there were only ten months in the calendar. These were of uneven lengths, some having less than twenty days and some containing as many as thirty-five days. When Numa became King, which was about 700 years before Christ, he decided that there should be 12 months and added two—January and February—and placed them at the beginning of the calendar; and in that way March became the third month. Among the old Saxons this month was known as Lenct, meaning spring, and this is the origin of our word Lent.

April is from the Latin word Aperio, to open; it is at this season that the flowers and leaves begin to bloom. The Saxons called the month Easter Month, in honor of Easter, the goddess of spring.

May was named for Maia, daughter of the Roman deity Atlas.

June was named for the goddess Juno.

July for a long time was known by its old name of Quintilis, from the Latin meaning five, as it was the fifth month in the ancient calendar of Romulus; but its name was changed to July in honor of Julius Caesar.

August, too, retained its old name of Sextilis (the sixth month) until the time of Augustus, who changed it to August.

September is from the Latin septem, seven; originally the 7th month, it has been the 9th for 2,000 years.

October, November, and December also retain the names by which they were known when there were but ten months in the year, being derived from the Latin words *Octo*, *Novem*, and *Decem* — eight, nine, and ten.

NAMES OF THE DAYS

English names for days of the week come from Norse mythology by way of Anglo-Saxon, and for that reason are often similar to the Roman names, which the Teutonic tribes adapted. The Romans named their days after the sun, moon and planets — Mars, Mercury, Jove (Jupiter), Venus and Saturn, which were named after their gods.

Sunday, the sun's day, is the same in German: *Sonntag*. But Italian, French and Spanish name it after the Lord's Day.

Monday, the moon's day, is *Montag* in German (*Mond* moon), but the Latin *luna*, for moon, survives in Italian, French, Spanish.

Tuesday is the day of Tyr, Norse god of war; the French *Mardi* and Italian *Martedì* come from Mars, also Roman god of war.

Wednesday comes from Woden, a Norse god, but the Romance languages derive their words from the Roman Mercury, while the Germans call it *Mittwoch* — midweek.

Thursday is the day of Thor, god of thunder. His Latin equivalent, Jove, accounts for *Giovedì* (Ital.), *Jeudi* (Fr.), *Jueves* (Span.).

Friday is the day of Freya, Norse goddess of marriage. Similarly the Romance languages get their names from Venus, Roman goddess of love.

Saturday is derived from Saturn. In Italian it is *Sabbato*, the Sabbath; *Sábado* in Spanish.

LEGAL HOLIDAYS IN THE STATES, D.C., and PUERTO RICO

Each State has jurisdiction over the holidays it will observe. They are designated either by legislative act or executive proclamation. The President and Congress designate only for the District of Columbia and Federal employees throughout the nation.

JAN. 1 — New Year's Day. All the States, D.C., Puerto Rico.

JAN. 19 — Robert E. Lee's Birthday. Ala., Ark., Fla., Ga., Ky., La., Miss., N.C., S.C., Tenn., Tex.; Lee-Jackson Day in Virginia.

JAN. 20 — Inauguration Day. District of Columbia. Beginning 1937 and every fourth year thereafter.

FEB. 12 — Lincoln's Birthday. All the States, except Ala., D.C., Fla., Ga., Hawaii, Idaho, La., Me., Mass., Miss., N.H., N.C., Okla., R.I., S.C., Tex., Va. (In Ark., a memorial day)

FEB. 22 — Washington's Birthday. All the States (Presidents' Day in Hawaii), D.C., Puerto Rico.

MAR. 30 — Seward's Day. In Alaska.

LEGAL HOLIDAYS—Continued

GOOD FRIDAY — Ark. (a memorial day), Conn., Del., Fla., Hawaii, Ill., Ind., La., Md., Minn., N.J., N.D., Pa., Tenn., Puerto Rico. In California and Wisconsin after 12 noon.

APRIL 13 — Thomas Jefferson's Birthday. Ala., Mo., and Nebr. (a memorial day).

APRIL 19 — Patriots' Day. Me., Mass.

APRIL 26 — Confederate Memorial Day. Ala., Fla., Ga., Miss.

MAY 10 — Confederate Memorial Day. N.C., S.C.

MAY 30 — Memorial Day. All the States (except Ala., Ga., Miss., S.C., Texas), D.C., Puerto Rico.

JUNE 3 — Jefferson Davis' Birthday. Ala., Fla., Ga., Miss., S.C., Texas.

Confederate Memorial Day. Ky., La., Tenn., (Ark., a memorial day).

JULY 4 — Independence Day. All the States, D.C., Puerto Rico.

LABOR DAY — First Monday in Sept. All the States, D.C., Puerto Rico.

LEGAL HOLIDAYS—Continued

OCT. 12 — Columbus Day. All the States and Puerto Rico except D.C., Hawaii, Idaho, Me., Miss., N.C., Okla., S.C., S.D., Tenn. and Va. (Ala., Ark., Ind., Iowa, Mich., N.D., Ore., Wisc., and Wyo. observe special holiday this date)

OCT. 18 — Alaska Day. In that State.

GENERAL ELECTION DAY — First Tuesday after the first Monday in November. All the States (Ohio after 12 noon) and Puerto Rico, except Ala., Alaska, Conn., D.C., Ga., Idaho, Kan., Ky., Mass., Minn., Miss., Nebr., N.M., Utah, Vt. Observed usually only when presidential or general elections are held.

NOV. 11 — Veteran's Day. All the States, D.C., Puerto Rico.

THANKSGIVING DAY — Fourth Thursday in November. All the States, D.C., Puerto Rico.

DEC. 25 — Christmas Day. All the States, D.C., Puerto Rico.

DAYS USUALLY OBSERVED

Not Legal Holidays

ARMED FORCES DAY — Third Saturday
in May.

CITIZENSHIP DAY — September 17

FATHER'S DAY — Third Sunday in June.

FLAG DAY — June 14. (Legal in Pa.)

MOTHER'S DAY — Second Sunday in May.

UNITED NATIONS DAY — October 24.

WEDDING ANNIVERSARIES

Traditional List Recommended by Social Authorities

1st	Paper	13th	Lace
2nd	Cotton	14th	Ivory
3rd	Leather	15th	Crystal
4th	Fruit and Flowers	20th	China
5th	Wooden	25th	Silver
6th	Sugar and Candy, Iron	30th	Pearl
7th	Woolen or Copper	35th	Coral
8th	Bronze or Pottery	40th	Ruby
9th	Willow or Pottery	45th	Sapphire
10th	Tin or Aluminum	50th	Golden
11th	Steel	55th	Emerald
12th	Silk or Linen	60th	Diamond
		75th	Diamond

POINTS OF CONSTITUTIONAL LAW

Congress must meet at least once a year.

Congress may admit as many new states as desired.

One State cannot undo the act of another.

By the Constitution every citizen is guaranteed a speedy trial by jury.

Congress cannot pass a law to punish for a crime already committed.

A person who commits a felony in one State cannot find refuge in another.

Treaties with foreign powers are made by the President and ratified by the Senate.

The territories each have a delegate to Congress who is allowed the privilege of debate, but not the right to vote.

The Vice-President, who ex-officio presides over the Senate has no vote in that body except in case of a tie ballot.

If the President holds a bill longer than ten days while Congress is in session it becomes a law without his signature.

An act of Congress cannot become a law over the President's veto except on a two-thirds vote of both houses.

The House of Representatives may impeach the President for any crime, but the Senate has the sole power to try all impeachments.

Amendments to the Constitution of the United States require a two-third vote of each House of Congress, and must be ratified by at least three-fourths of the States.

The President of the United States must be at least 35 years of age; a Senator, 30; a Congressman, 25; The President must have been a resident of the United States fourteen years.

A naturalized citizen is not eligible to the office of President of the United States. A male child born in a foreign land to American parents has an equal chance to become the President with one born on American soil.

The United States shall guarantee to every State a Republican form of government, and shall protect each of them against invasion, and on application of the Legislature or of the Executive (when the Legislature cannot be convened), against domestic trouble.

OFFICIAL 1960 CENSUS CITIES OF 25,000 AND OVER

Compiled by U. S. Dept. of
Commerce, Bureau of the Census

ALABAMA

Anniston.....	33,657
Bessemer.....	33,054
Birmingham....	340,887
Decatur.....	29,217
Dothan.....	31,440
Florence.....	31,649
Gadsden.....	58,088
Huntsville.....	72,365
Mobile.....	202,779
Montgomery.....	134,393
Phenix City.....	27,630
Prichard.....	47,371
Selma.....	28,385
Tuscaloosa.....	63,370

ALASKA

Anchorage.....	44,237
----------------	--------

ARIZONA

Mesa.....	33,772
Phoenix.....	439,170
Tucson.....	212,892

ARKANSAS

El Dorado.....	25,292
Fort Smith.....	52,991
Hot Springs.....	28,337
Little Rock.....	107,813
N. Little Rock..	58,032
Pine Bluff.....	44,037

CALIFORNIA

Alameda.....	63,855
Alhambra.....	54,807
Anaheim.....	104,184
Arcadia.....	41,005
Bakersfield.....	56,848
Baldwin Park.....	33,951
Bellflower.....	45,909
Berkeley.....	111,268
Beverly Hills...	30,817
Buena Park.....	46,401
Burbank.....	90,155
Chula Vista.....	42,034
Compton.....	71,812
Concord.....	36,208
Costa Mesa.....	37,550
Culver City.....	32,163
Daly City.....	44,791
Downey.....	82,505

El Cajon.....	37,618
El Cerrito.....	25,437
Eureka.....	28,137
Fremont.....	43,790
Fresno.....	133,929
Fullerton.....	56,180
Gardena.....	35,943
Garden Grove....	84,238
Glendale.....	119,442
Hawthorne.....	33,035
Hayward.....	72,700
Huntington Park..	29,920
Inglewood.....	63,390
La Habra.....	25,136
Lakewood.....	67,126
La Mesa.....	30,441
Long Beach.....	344,168
Los Angeles.....	2,479,015
Lynwood.....	31,614
Manhattan Beach..	33,934
Menlo Park.....	26,957
Modesto.....	36,585
Monrovia.....	27,079
Montebello.....	32,097
Monterey Park...	37,821
Mountain View...	30,889
National City....	32,771
Newport Beach...	26,564
Norwalk.....	88,739
Oakland.....	367,548
Ontario.....	46,617
Orange.....	26,444
Oxnard.....	40,265
Palo Alto.....	52,287
Paramount.....	27,249
Pasadena.....	116,407
Pico Rivera.....	49,150
Pomona.....	67,157
Redlands.....	26,829
Redondo Beach...	46,986
Redwood City....	46,290
Richmond.....	71,854
Riverside.....	84,332
Sacramento.....	191,667
Salinas.....	28,957
San Bernardino...	91,922
San Bruno.....	29,063
S. Buenaventura..	29,114

CENSUS — Continued

San Diego	573,224
San Francisco	740,316
San Jose	204,196
San Leandro	65,962
San Mateo	69,870
Santa Ana	100,350
Santa Barbara	58,768
Santa Clara	58,880
Santa Cruz	25,596
Santa Monica	83,249
Santa Rosa	31,027
South Gate	53,831
S. San Francisco	39,418
Stockton	86,321
Sunnyvale	52,898
Torrance	100,991
Vallejo	60,877
West Covina	50,645
Westminster	25,750
Whittier	33,663

COLORADO

Aurora	48,548
Boulder	37,718
Colorado Springs	70,194
Denver	493,887
Englewood	33,398
Fort Collins	25,027
Greeley	26,314
Pueblo	91,181

CONNECTICUT

Bridgeport	156,748
Bristol	45,499
Hartford	162,178
Meriden	51,850
Middletown	33,250
Milford	41,662
New Britain	82,201
New Haven	152,048
New London	34,182
Norwalk	67,775
Norwich	38,506
Stamford	92,713
Torrington	30,045
Waterbury	107,130

DELAWARE

Wilmington	95,827
------------	--------

DISTRICT OF COLUMBIA

Washington	763,956
------------	---------

FLORIDA

Clearwater	34,653
Coral Gables	34,793
Daytona Beach	37,395

Fort Lauderdale	83,648
Fort Pierce	25,256
Gainesville	29,701
Hialeah	66,972
Hollywood	35,237
Jacksonville	201,030
Key West	33,956
Lakeland	41,350
Miami	291,688
Miami Beach	63,145
North Miami	28,708
Orlando	88,135
Panama City	33,275
Pensacola	56,752
St. Petersburg	181,298
Sarasota	34,083
Tallahassee	48,174
Tampa	274,970
W. Palm Beach	56,208

GEORGIA

Albany	55,890
Athens	31,355
Atlanta	487,455
Augusta	70,626
Columbus	116,779
East Point	35,633
Macon	69,764
Marietta	25,565
Rome	32,226
Savannah	149,245
Valdosta	30,652

HAWAII

Hilo	25,966
Honolulu	294,194

IDAHO

Boise City	34,481
Idaho Falls	33,161
Pocatello	28,534

ILLINOIS

Alton	43,047
Arlington Heights	27,878
Aurora	63,715
Belleville	37,264
Berwyn	54,224
Bloomington	36,271
Calumet City	25,000
Champaign	49,583
Chicago	3,550,404
Chicago Heights	34,331
Cicero	69,130
Danville	41,856
Decatur	78,004
Des Plaines	34,886

CENSUS — Continued

East St. Louis...	81,712
Elgin.....	49,447
Elmhurst.....	36,991
Evanston.....	79,283
Freeport.....	26,628
Galesburg.....	37,243
Granite City.....	40,073
Harvey.....	29,071
Highland Park.....	25,532
Joliet.....	66,780
Kankakee.....	27,666
Maywood.....	27,330
Moline.....	42,705
Oak Lawn.....	27,471
Oak Park.....	61,093
Park Forest.....	29,993
Park Ridge.....	32,659
Pekin.....	28,146
Peoria.....	103,162
Quincy.....	43,793
Rockford.....	126,706
Rock Island.....	51,863
Skokie.....	59,364
Springfield.....	83,271
Urbana.....	27,294
Waukegan.....	55,719
Wilmette.....	28,268

INDIANA

Anderson.....	49,061
Bloomington.....	31,357
East Chicago.....	57,669
Elkhart.....	40,274
Evansville.....	141,543
Fort Wayne.....	161,776
Gary.....	178,320
Hammond.....	111,698
Indianapolis.....	476,258
Kokomo.....	47,197
Lafayette.....	42,330
Marion.....	37,854
Michigan City.....	36,653
Mishawaka.....	33,361
Muncie.....	68,603
New Albany.....	37,812
Richmond.....	44,149
South Bend.....	132,445
Terre Haute.....	72,500

IOWA

Ames.....	27,003
Burlington.....	32,430
Cedar Rapids.....	92,035
Clinton.....	33,589
Council Bluffs.....	55,641
Davenport.....	88,981

Des Moines.....	208,982
Dubuque.....	56,606
Fort Dodge.....	28,399
Iowa City.....	33,443
Mason City.....	30,642
Ottumwa.....	33,871
Sioux City.....	89,159
Waterloo.....	71,755

KANSAS

Hutchinson.....	37,574
Kansas City.....	121,901
Lawrence.....	32,858
Prairie Village.....	25,356
Salina.....	43,202
Topeka.....	119,484
Wichita.....	254,698

KENTUCKY

Aahland.....	31,283
Bowling Green.....	28,338
Covington.....	60,376
Lexington.....	62,810
Louisville.....	390,639
Newport.....	30,070
Owensboro.....	42,471
Paducah.....	34,479

LOUISIANA

Alexandria.....	40,279
Baton Rouge.....	152,419
Bossier City.....	32,776
Lafayette.....	40,400
Lake Charles.....	63,392
Monroe.....	52,219
New Iberia.....	29,062
New Orleans.....	627,525
Shreveport.....	164,372

MAINE

Bangor.....	38,912
Lewiston.....	40,804
Portland.....	72,566

MARYLAND

Baltimore.....	939,024
Cumberland.....	33,415
Hagerstown.....	36,660
Rockville.....	26,090

MASSACHUSETTS

Attleboro.....	27,118
Beverly.....	36,108
Boston.....	697,197
Brockton.....	72,813
Cambridge.....	107,716
Chelsea.....	33,749
Chicopee.....	61,553

CENSUS — Continued

Everett.....	43,544
Fall River.....	99,942
Fitchburg.....	43,021
Gloucester.....	25,789
Haverhill.....	46,346
Holyoke.....	52,689
Lawrence.....	70,933
Leominster.....	27,929
Lowell.....	92,107
Lynn.....	94,478
Malden.....	57,676
Medford.....	64,971
Melrose.....	29,619
New Bedford.....	102,477
Newton.....	92,384
Northampton.....	30,058
Peabody.....	32,202
Pittsfield.....	57,879
Quincy.....	87,409
Revere.....	40,080
Salem.....	39,211
Somerville.....	94,697
Springfield.....	174,463
Taunton.....	41,132
Waltham.....	55,413
Westfield.....	26,302
Woburn.....	31,214
Worcester.....	186,587

MICHIGAN

Allen Park.....	37,494
Ann Arbor.....	67,340
Battle Creek.....	44,169
Bay City.....	53,604
Birmingham.....	25,525
Dearborn.....	112,007
Detroit.....	1,670,144
East Detroit.....	45,756
East Lansing.....	30,198
Ferndale.....	31,347
Flint.....	196,940
Garden City.....	38,017
Grand Rapids.....	177,313
Hamtramck.....	34,137
Hazel Park.....	25,631
Highland Park.....	38,063
Inkster.....	39,097
Jackson.....	50,720
Kalamazoo.....	82,089
Lansing.....	107,807
Lincoln Park.....	53,933
Livonia.....	66,702
Madison Heights.....	33,343
Midland.....	27,779
Muskegon.....	46,485

Oak Park.....	36,632
Pontiac.....	82,233
Port Huron.....	36,084
Roseville.....	50,195
Royal Oak.....	80,612
Saginaw.....	98,265
St. Clair Shores.....	76,657
Southfield.....	31,501
Southgate.....	29,404
Warren.....	89,246
Wyandotte.....	43,519
Wyoming.....	45,829

MINNESOTA

Austin.....	27,908
Bloomington.....	50,498
Duluth.....	106,884
Edina.....	28,501
Minneapolis.....	482,872
Minnetonka.....	25,037
Richfield.....	42,523
Rochester.....	40,663
St. Cloud.....	33,815
St. Louis Park.....	43,310
St. Paul.....	313,411

MISSISSIPPI

Biloxi.....	44,053
Greenville.....	41,502
Gulfport.....	30,204
Hattiesburg.....	34,989
Jackson.....	144,422
Laurel.....	27,889
Meridian.....	49,374
Vicksburg.....	29,143

MISSOURI

Columbia.....	36,650
Florissant.....	38,166
Independence.....	62,328
Jefferson City.....	28,228
Joplin.....	38,958
Kansas City.....	475,539
Kirkwood.....	29,421
St. Joseph.....	79,673
St. Louis.....	750,026
Springfield.....	95,865
University City.....	51,249
Webster Groves.....	28,990

MONTANA

Billings.....	52,851
Butte.....	27,877
Great Falls.....	55,357
Missoula.....	27,090

NEBRASKA

Grand Island.....	25,742
-------------------	--------

CENSUS — Continued

Lincoln.....128,521
Omaha.....301,598

NEVADA

Las Vegas.....64,405
Reno.....51,470

NEW HAMPSHIRE

Concord.....28,991
Manchester.....88,282
Nashua.....39,096
Portsmouth.....25,833

NEW JERSEY

Atlantic City...59,544
Bayonne.....74,215
Belleville.....35,005
Bergenfield.....27,203
Bloomfield.....51,867
Camden.....117,159
Clifton.....82,084
East Orange.....77,259
Elizabeth.....107,698
Englewood.....26,057
Fair Lawn.....36,421
Garfield.....29,253
Hackensack.....30,521
Hoboken.....48,441
Irvington.....59,379
Jersey City.....276,101
Kearny.....37,472
Linden.....39,931
Long Branch.....26,228
Montclair.....43,129
Newark.....405,220
New Brunswick..40,139
Nutley.....29,513
Orange.....35,789
Passaic.....53,963
Paleraon.....143,663
Perth Amboy.....38,007
Plainfield.....45,330
Rahway.....27,699
Ridgewood.....25,391
Trenton.....114,167
Union City.....52,180
Vineland.....37,685
Westfield.....31,447
West New York..35,547
West Orange.....39,895

NEW MEXICO

Albuquerque...201,189
Carlsbad.....25,541
Hobbs.....26,275
Las Cruces.....29,367
Roswell.....39,593
Santa Fe.....34,676

NEW YORK

Albany.....129,726
Amsterdam.....28,772
Auburn.....35,249
Binghamton.....75,941
Buffalo.....532,759
Elmira.....46,517
Freeport.....34,419
Hempstead.....34,641
Ithaca.....28,799
Jamestown.....41,818
Kingston.....29,260
Lackawanna.....29,564
Lockport.....26,443
Long Beach.....26,473
Mount Vernon..76,010
Newburgh.....30,979
New Rochelle...76,812
N. Y. City.....7,781,984
Niagara Falls..102,394
N. Tonawanda..34,757
Poughkeepsie..38,330
Rochester.....318,611
Rockville Centre.26,355
Rome.....51,646
Schenectady.....81,682
Syracuse.....216,038
Troy.....67,492
Utica.....100,410
Valley Stream..38,629
Watertown.....33,306
White Plains...50,485
Yonkers.....190,634

NORTH CAROLINA

Asheville.....60,192
Burlington.....33,199
Charlotte.....201,564
Durham.....78,302
Fayetteville...47,106
Gastonia.....37,276
Goldshoro.....28,873
Greensboro.....119,574
High Point.....62,063
Raleigh.....93,931
Rocky Mount...32,147
Wilmington.....44,013
Wilson.....28,753
Winston-Salem..111,135

NORTH DAKOTA

Bismarck.....27,670
Fargo.....46,662
Grand Forks...34,451
Minot.....30,604

CENSUS — Continued

OHIO

Akron.....	290,351
Alliance.....	28,362
Barberton.....	33,805
Canton.....	113,631
Cincinnati.....	502,550
Cleveland.....	876,050
Cleveland Heights.....	61,813
Columbus.....	471,316
Cuyahoga Falls.....	47,922
Dayton.....	262,332
East Cleveland.....	37,991
Elyria.....	43,782
Euclid.....	62,998
Findlay.....	30,344
Garfield Heights.....	38,455
Hamilton.....	72,354
Kettering.....	54,462
Lakewood.....	66,154
Lancaster.....	29,916
Lima.....	51,037
Lorain.....	68,932
Mansfield.....	47,325
Maple Heights.....	31,667
Marion.....	37,079
Massillon.....	31,236
Middletown.....	42,115
Newark.....	41,790
Norwood.....	34,580
Parma.....	82,845
Portsmouth.....	33,637
Sandusky.....	31,989
Shaker Heights.....	36,460
South Euclid.....	27,569
Springfield.....	82,723
Steubenville.....	32,495
Toledo.....	318,008
Upper Arlington.....	28,486
Warren.....	59,648
Youngstown.....	166,689
Zanesville.....	39,077

OKLAHOMA

Bartlesville.....	27,893
Enid.....	38,859
Lawton.....	61,697
Midwest City.....	36,058
Muskogee.....	38,059
Norman.....	33,412
Oklahoma City.....	324,253
Tulsa.....	261,685

OREGON

Eugene.....	50,977
Portland.....	372,676
Salem.....	49,142

PENNSYLVANIA

Aliquippa.....	26,369
Allentown.....	108,347
Altoona.....	69,407
Bethlehem.....	75,408
Chester.....	63,658
Easton.....	31,955
Erie.....	138,440
Harrisburg.....	79,697
Hazleton.....	32,056
Johnstown.....	53,949
Lancaster.....	61,055
Lebanon.....	30,045
McKeesport.....	45,489
New Castle.....	44,790
Norristown.....	38,925
Philadelphia.....	2,002,512
Pittsburgh.....	604,332
Pottstown.....	26,144
Reading.....	98,177
Scranton.....	111,443
Sharon.....	25,267
West Mifflin.....	27,289
Wilkes-Barre.....	63,551
Wilkinsburg.....	30,066
Williamsport.....	41,967
York.....	54,504

RHODE ISLAND

Cranston.....	66,766
East Providence.....	41,955
Newport.....	47,049
Pawtucket.....	81,001
Providence.....	207,498
Warwick.....	68,504
Woonsocket.....	47,080

SOUTH CAROLINA

Anderson.....	41,316
Charleston.....	65,925
Columbia.....	97,433
Greenville.....	66,188
Rock Hill.....	29,404
Spartanburg.....	44,352

SOUTH DAKOTA

Rapid City.....	42,399
Sioux Falls.....	65,466

TENNESSEE

Chattanooga.....	130,009
Jackson.....	34,376
Johnson City.....	31,187
Kingsport.....	26,314
Knoxville.....	111,827
Memphis.....	497,524
Nashville.....	170,874
Oak Ridge.....	27,169

CENSUS — Continued

TEXAS

Abilene	90,368
Amarillo	137,969
Arlington	44,775
Austin	186,545
Baytown	28,159
Beaumont	119,175
Big Spring	31,230
Brownsville	48,040
Bryan	27,542
Corpus Christi	167,690
Dallas	679,684
Denton	26,844
El Paso	276,687
Fort Worth	356,268
Galveston	67,175
Garland	38,501
Grand Prairie	30,386
Harlingen	41,207
Houston	938,219
Irving	45,985
Kingsville	25,297
Laredo	60,678
Longview	40,050
Lubbock	128,691
McAllen	32,728
Mesquite	27,526
Midland	62,625
Odessa	80,338
Orange	25,605
Pasadena	58,737
Port Arthur	66,676
San Angelo	58,815
San Antonio	587,718
Temple	30,419
Texarkana	30,218
Texas City	32,065
Tyler	51,230
Victoria	33,047
Waco	97,808
Wichita Falls	101,724

UTAH

Ogden	70,197
Provo	36,047
Salt Lake City	189,454

VERMONT

Burlington	35,531
------------	--------

VIRGINIA

Alexandria	91,023
Charlottesville	29,427
Danville	46,577
Hampton	89,258
Lynchburg	54,790

Newport News	113,662
Norfolk	304,869
Petersburg	36,750
Portsmouth	114,773
Richmond	219,958
Roanoke	97,110

WASHINGTON

Bellingham	34,688
Bremerton	28,922
Everett	40,304
Seattle	557,087
Spokane	181,608
Tacoma	147,979
Vancouver	32,464
Yakima	43,284

WEST VIRGINIA

Charleston	85,796
Clarksburg	28,112
Fairmont	27,477
Huntington	83,627
Parkersburg	44,797
Weirton	28,201
Wheeling	53,400

WISCONSIN

Appleton	48,411
Beloit	32,846
Eau Claire	37,987
Fond du Lac	32,719
Green Bay	62,888
Janesville	35,164
Kenosha	67,899
La Crosse	47,575
Madison	126,706
Manitowoc	32,275
Milwaukee	741,324
Oshkosh	45,110
Racine	89,144
Sheboygan	45,747
Superior	33,563
Waukesha	30,004
Wausau	31,943
Wauwatosa	56,923
West Allis	68,157

WYOMING

Casper	38,930
Cheyenne	43,505

U.S. TERRITORIES

Amer. Samoa	20,051
Canal Zone	42,122
Guam	67,044
Puerto Rico	2,349,544
Virgin Islands	32,099

TRAVELING DISTANCES

CITY	Boston, Mass.	Chicago, Ill.	Denver, Colo.	Los Ange- les, Calif.	New Or- leans, La.	New York, N. Y.	Seattle, Wash.	Tampa, Fla.	Washing- ton, D. C.
Atlanta, Ga.	1103	715	1446	2289	523	885	2808	471	656
Baltimore, Md.	409	688	1636	2726	1173	191	2816	1006	38
Birmingham, Ala.	1213	675	1362	2122	365	995	2719	557	769
Bismarck, N. Dak.	1869	871	725	1733	1653	1706	1298	2020	1564
Boise, Idaho	2792	1772	855	893	2187	2585	539	2797	2460
Boston, Mass.		998	2035	3099	1583	218	3119	1419	443
Buffalo, N. Y.	460	538	1566	2642	1275	373	2659	1349	376
Carson City, Nev.	3000	1998	1062	454	2183	2817	796	2848	2677
Cheyenne, Wyo.	1980	982	103	1191	1413	1798	1313	1941	1658
Chicago, Ill.	998		1028	2128	957	832	2121	1184	693
Cincinnati, Ohio	877	294	1179	2294	843	655	2422	946	502
Cleveland, Ohio	648	346	1370	2451	1084	500	2467	1175	362
Columbia, S. C.	921	806	1658	2515	742	703	2934	505	478
Dallas, Texas	1849	971	804	1450	504	1632	2220	1120	1403
Denver, Colo.	2035	1028		1194	1310	1791	1397	1919	1635
Des Moines, Iowa	1340	342	685	1828	1020	1166	1946	1370	1032
Detroit, Mich.	716	269	1313	2425	1099	628	2390	1202	518
El Paso, Texas	2433	1483	643	810	1124	2223	1799	1765	2058
Helena, Mont.	2506	1508	838	1234	2151	2340	613	2690	2207
Houston, Texas	1892	1111	1048	1570	366	1675	2464	1008	1446

IN THE UNITED STATES

Indianapolis, Ind.	949	184	1062	2150	845	725	2312	1019	573
Jackson, Miss.	1470	760	1226	1869	195	1248	2639	684	1022
Kansas City, Mo.	1438	505	623	1621	850	1214	1990	1282	1070
Little Rock, Ark.	1505	660	1040	1710	438	1285	2402	952	1059
Los Angeles, Calif.	3099	2128	1194		1937	2875	1179	2614	2664
Louisville, Ky.	983	297	1161	2215	732	766	2425	911	613
Memphis, Tenn.	1366	547	1106	1846	408	1146	2431	813	920
Miami, Fla.	1568	1389	2150	2856	887	1346	3505	269	1118
Milwaukee, Wis.	1086	88	1048	2191	1037	920	2048	1272	781
Mpls.-St. Paul, Minn. ..	1416	418	856	2017	1281	1250	1703	1568	1112
New Orleans, La.	1583	957	1310	1937		1361	2727	647	1135
New York, N. Y.	218	832	1791	2875	1361	1512	2953	1197	225
Oklahoma City, Okla. ..	1730	844	623	1348	689		2037	1302	1360
Omaha, Nebr.	1480	482	546	1702	1059	1296	1803	1495	1157
Philadelphia, Pa.	306	757	1744	2874	1276	88	2878	1109	141
Phoenix, Ariz.	2744	1792	838	392	1544	2522	1595	2220	2369
Pierre, S. Dak.	1791	793	587	1601	1469	1628	1452	1924	1498
Pittsburgh, Pa.	586	464	1422	2588	1116	368	2585	1126	232
Portland, Ore.	3216	2218	1304	993	2653	3053	186	3205	2925
Raleigh, N. C.	715	831	1750	2710	936	497	3006	701	268
Richmond, Va.	557	785	1744	2777	1072	339	2917	858	110
St. Louis, Mo.	1189	295	878	1901	715	965	2213	1021	814
Salt Lake City, Utah. ..	2455	1454	518	738	1788	2272	910	2413	2132
San Francisco, Calif. ...	3213	2212	1276	401	2297	3030	862	2948	2890
Santa Fe, N. Mex.	2295	1324	367	859	1149	2071	1542	1767	1931
Seattle, Wash.	3119	2121	1397	1179	2727	2953		3286	2835
Tampa, Fla.	1419	1184	1919	2614	647	1197	3286	968	968
Washington, D. C.	443	693	1635	2664	1135	225	2835		
Wichita, Kans.	1665	733	517	1394	862	1441	1928	1392	1289

THE UNITED STATES OF AMERICA

State	Capital	Entered Union	Rank By Area
Ala.....	Montgomery..	1819, Dec. 14	29
Alaska	Juneau.....	1959, Jan. 3	1
Ariz....	Phoenix.....	1912, Feb. 14	6
Ark....	Little Rock...	1836, June 15	27
Cal.....	Sacramento...	1850, Sept. 9	3
Colo....	Denver.....	1876, Aug. 1	8
Conn....	Hartford.....	1788, Jan. 9	48
Del.....	Dover.....	1787, Dec. 7	49
Fla.....	Tallahassee...	1845, Mar. 3	22
Ga.....	Atlanta.....	1788, Jan. 2	21
Hawaii	Honolulu.....	1959, Aug. 21	47
Idaho...	Boise.....	1890, July 3	13
Ill.....	Springfield...	1818, Dec. 3	24
Ind.....	Indianapolis...	1816, Dec. 11	38
Iowa....	Des Moines...	1846, Dec. 28	25
Kan....	Topeka.....	1861, Jan. 29	14
Ky.....	Frankfort.....	1792, June 1	37
La.....	Baton Rouge..	1812, Apr. 30	31
Me.....	Augusta.....	1820, Mar. 15	39
Md.....	Annapolis.....	1788, Apr. 28	42
Mass....	Boston.....	1788, Feb. 6	45
Mich....	Lansing.....	1837, Jan. 26	23
Minn....	St. Paul.....	1858, May 11	12
Miss....	Jackson.....	1817, Dec. 10	32
Mo.....	Jefferson City.	1821, Aug. 10	19
Mont...	Helena.....	1889, Nov. 8	4
Nebr....	Lincoln.....	1867, Mar. 1	15
Nev....	Carson City...	1864, Oct. 31	7
N. H....	Concord.....	1788, June 21	44
N. J....	Trenton.....	1787, Dec. 18	46
N. M....	Santa Fe.....	1912, Jan. 6	5
N. Y....	Albany.....	1788, July 26	30

THE UNITED STATES OF AMERICA

Continued

State	Capital	Entered Union	Rank By Area
N. C...	Raleigh	1789, Nov. 21	28
N. D...	Bismarck	1889, Nov. 2	17
Ohio...	Columbus	1803, Mar. 1	35
Okla....	Oklahoma City	1907, Nov. 16	18
Ore.....	Salem	1859, Feb. 14	10
Pa.	Harrisburg	1787, Dec. 12	33
R. I.	Providence	1790, May 29	50
S. C....	Columbia	1788, May 23	40
S. D....	Pierre	1889, Nov. 2	16
Tenn...	Nashville	1796, June 1	34
Texas...	Austin	1845, Dec. 29	2
Utah...	Salt Lake City	1896, Jan. 4	11
Vt.	Montpelier	1791, Mar. 4	43
Va.	Richmond	1788, June 26	36
Wash...	Olympia	1889, Nov. 11	20
W. Va..	Charleston	1863, June 20	41
Wisc....	Madison	1848, May 29	26
Wyo....	Cheyenne	1890, July 10	9

WASHINGTON DISTRICT OF COLUMBIA

Land ceded to Congress: 1788 by Maryland; 1789 by Virginia (retroceded to Virginia Sept. 7, 1846).

Seat of government transferred to D. C.: Dec. 1, 1800.

Created municipal corporation: Feb. 21, 1871.

Present form of government established: June 11, 1878.

STANDARD TIME DIFFERENCES

At 12 o'clock noon Eastern Standard Time
standard time in U. S. cities is as follows:

Atlanta, Ga.	12.00 noon
Baltimore, Md.	12.00 noon
Birmingham, Ala.	11.00 a.m.
Boston, Mass.	12.00 noon
Buffalo, N. Y.	12.00 noon
Charleston, S. C.	12.00 noon
Chicago, Ill.	11.00 a.m.
Cincinnati, Ohio	12.00 noon
Cleveland, Ohio	12.00 noon
Dallas, Tex.	11.00 a.m.
Denver, Colo.	10.00 a.m.
Detroit, Mich.	12.00 noon
Fort Worth, Tex.	11.00 a.m.
Galveston, Tex.	11.00 a.m.
Honolulu, Hawaii	7.00 a.m.
Houston, Tex.	11.00 a.m.
Indianapolis, Ind.	12.00 noon
Juneau, Alaska	7.00 a.m.
Kansas City, Mo.	11.00 a.m.
Los Angeles, Calif.	9.00 a.m.
Louisville, Ky.	12.00 noon
Memphis, Tenn.	11.00 a.m.
Miami, Fla.	12.00 noon
Milwaukee, Wis.	11.00 a.m.
Minneapolis, Minn.	11.00 a.m.
New York, N. Y.	12.00 noon
New Orleans, La.	11.00 a.m.
Omaha, Nebr.	11.00 a.m.
Philadelphia, Pa.	12.00 noon
Phoenix, Ariz.	10.00 a.m.
Pittsburgh, Pa.	12.00 noon
Portland, Me.	12.00 noon
Portland, Ore.	9.00 a.m.
Reno, Nev.	9.00 a.m.
St. Louis, Mo.	11.00 a.m.
San Francisco, Calif.	9.00 a.m.
Seattle, Wash.	9.00 a.m.
Spokane, Wash.	9.00 a.m.
Washington, D. C.	12.00 noon

ROMAN AND ARABIC NUMERALS

I.....	1	XX.....	20
II.....	2	XXX.....	30
III.....	3	XL.....	40
IV.....	4	L.....	50
V.....	5	LX.....	60
VI.....	6	LXX.....	70
VII.....	7	LXXX or XXC.....	80
VIII.....	8	XC.....	90
IX.....	9	C.....	100
X.....	10	CC.....	200
XI.....	11	CCC.....	300
XII.....	12	CD.....	400
XIII.....	13	D.....	500
XIV.....	14	DC.....	600
XV.....	15	DCC.....	700
XVI.....	16	DCCC.....	800
XVII.....	17	CM.....	900
XVIII.....	18	M.....	1000
XIX.....	19	MM.....	2000

Note — A dash line over a numeral multiplies the value by 1,000: thus, \overline{X} = 10,000; \overline{L} = 50,000; \overline{C} = 100,000; \overline{D} = 500,000; \overline{M} = 1,000,000; \overline{CLIX} = 159,000; \overline{DLIX} = 559,000.

Other general rules in Roman numerals are as follows: (1) repeating a letter repeats its value — XX = 20; CCC = 300; (2) a letter placed after one of greater value adds thereto — VI = 6; DC = 600; (3) a letter placed before one of greater value subtracts therefrom — IV = 4.

Arabic numerals are those now commonly in use — 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, etc.

WEIGHTS AND MEASURES

APOTHECARIES' WEIGHT

20 grains.....	1 scruple	8 drams.....	1 ounce
3 scruples.....	1 dram	12 ounces.....	1 pound
Ounce and pound are the same as in Troy Weight.			

AVOIRDUPOIS WEIGHT

27 11/32 grains..	1 dram	25 pounds....	1 quarter
16 drams.....	1 ounce	4 quarters.....	1 cwt.
16 ounces.....	1 pound	2,000 lbs....	1 short ton
2,240 pounds.....			1 long ton

TROY WEIGHT

24 grains.....			1 pwt.
20 pwt.....	1 ounce	12 ounces.....	1 pound
Used for weighing gold, silver and jewels.			

CLOTH MEASURE

2 1/4 inches.....	1 nail	4 nails.....	1 quarter
4 quarters.....			1 yard

CUBIC MEASURE

1,728 cubic inches.....	1 cubic foot
27 cubic feet.....	1 cubic yard
128 cubic feet.....	1 cord (wood)
40 cubic feet.....	1 ton (shipping)
2,150.42 cubic inches.....	1 standard bushel
231 cubic inches.....	1 U. S. standard gallon
1 cubic foot.....	about 4/5 of a bushel

DRY MEASURE

2 pints.....	1 quart	4 pecks.....	1 bushel
8 quarts.....	1 peck	36 bushels...	1 chaldron

LIQUID MEASURE

4 gills.....	1 pint	4 quarts.....	1 gallon
2 pints.....	1 quart	31 1/2 gallons...	1 barrel
2 barrels.....			1 hogshead

WEIGHTS AND MEASURES

Continued

LONG MEASURE

12 inches.....	1 foot	40 rods.....	1 furlong
3 feet.....	1 yard	8 furlongs...	1 sta. mile
5½ yards.....	1 rod	3 miles.....	1 league

MARINERS' MEASURE

6 feet.....	1 fathom	120 fathoms..	1 cable length
7¼ cable lengths.....			1 mile
5,280 feet.....			1 statute mile
6,080.2 feet.....			1 nautical mile

PAPER MEASURE

24 sheets....	1 quire	20 quires, 1 ream	(480 sheets)
2 reams.....	1 bundle	5 bundles.....	1 bale

SQUARE MEASURE

144 sq. inches..	1 sq. ft.	40 sq. rods.....	1 rood
9 sq. ft.....	1 sq. yard	4 roods.....	1 acre
30¼ sq. yards..	1 sq. rod	640 acres.....	1 sq. mile

SURVEYORS' MEASURE

7.92 inches.....	1 link
25 links.....	1 rod
4 rods.....	1 chain
10 sq. chains or 160 sq. rods.....	1 acre
640 acres.....	1 sq. mile
36 sq. miles (6 miles sq.).....	1 township

TIME MEASURE

60 seconds....	1 minute	60 minutes.....	1 hour
24 hours.....	1 day	7 days.....	1 week
28, 29, 30 or 31 days.....			1 calendar month
30 days.....	1 month		in computing interest
365 days.....	1 year	366 days....	1 leap year

WEIGHTS AND MEASURES

Continued

MISCELLANEOUS

3 inches.....	1 palm	4 inches.....	1 hand
6 inches.....	1 span	18 inches.....	1 cubit
21.8 inches.....			1 Bible cubit
2½ feet.....			1 military pace

METRIC EQUIVALENTS — Linear Measure

1 centimeter.....	0.3937 inch
1 inch.....	2.54 centimeters
1 decimeter	3.937 inches
1 foot.....	3.048 decimeters
1 meter.....	39.37 inches
1 yard.....	0.9144 meter
1 dekameter.....	1.9884 rods
1 rod.....	0.5029 dekameter
1 kilometer.....	0.62137 mile
1 mile.....	1.6093 kilometers

Square Measure

1 square centimeter.....	0.1550 square inch
1 square inch.....	6.452 square centimeters
1 square decimeter.....	0.1076 square foot
1 square foot.....	9.2903 square decimeters
1 square meter.....	1.196 square yards
1 square yard.....	0.8361 square meter
1 acre.....	160 square rods
1 square rod.....	0.00625 acre
1 hectare.....	2.47 acres
1 acre.....	0.4047 hectare
1 square kilometer.....	0.386 square mile
1 square mile.....	2.59 square kilometers

Weights

1 gram.....	0.03527 ounce
1 ounce.....	28.35 grams
1 kilogram.....	2.2046 pounds
1 pound.....	0.4536 kilogram
1 metric ton.....	0.98421 English ton
1 English ton.....	1.016 metric ton

WEIGHTS AND MEASURES

Continued

Measure of Volume

1 cubic centimeter.....	0.061 cubic inch
1 cubic inch.....	16.39 cubic centimeters
1 cubic decimeter.....	0.0353 cubic foot
1 cubic foot.....	28.317 cubic decimeters
1 cubic meter.....	1.308 cubic yards
1 cubic yard.....	0.7646 cubic meter
1 stere.....	0.2759 cord
1 cord.....	3.624 steres
1 liter.....	0.908 quart dry, 1.0567 quarts liquid
1 quart dry.....	1.101 liters
1 quart liquid.....	0.9463 liter
1 dekaliter.....	2.6417 gallons, 1.135 pecks
1 gallon.....	0.3785 dekaliter
1 peck.....	0.881 dekaliter
1 hektoliter.....	2.8375 bushels
1 bushel.....	0.3524 hektoliter

APPROXIMATE METRIC EQUIVALENTS

1 decimeter.....	4 inches
1 liter.....	1.06 quarts liquid, 0.9 quart dry
1 meter.....	1.1 yards
1 kilometer.....	$\frac{5}{8}$ of a mile
1 hektoliter.....	$2\frac{5}{8}$ bushels
1 hectare.....	$2\frac{1}{2}$ acres
1 kilogram.....	$2\frac{1}{5}$ pounds
1 stere, or cubic meter.....	$\frac{1}{4}$ of a cord
1 metric ton.....	2,200 pounds

TEMPERATURES

	Fahrenheit	
Milk.....	Freezes 30° above	Zero
Water.....	Freezes 32° above	Zero
Olive Oil.....	Freezes 36° above	Zero
Wines.....	Freeze 20° above	Zero
Vinegar.....	Freezes 28° above	Zero
Alcohol.....	Boils at 173° above	Zero
Water.....	Boils at 212° above	Zero
Petroleum.....	(average) Boils at 306° above	Zero
Blood Heat.....	98.4° above	Zero
Eggs Hatch.....	104° above	Zero

COMMON FRACTIONS REDUCED TO DECIMALS

8ths	16ths	32ds	64ths		8ths	16ths	32ds	64ths	
			1	.015625				33	.515625
		1	2	.03125			17	34	.53125
			3	.046875				35	.546875
	1	2	4	.0625		9	18	36	.5625
			5	.078125				37	.578125
		3	6	.09375			19	38	.59375
			7	.109375				39	.609375
1	2	4	8	.125	5	10	20	40	.625
			9	.140625				41	.640625
		5	10	.15625			21	42	.65625
			11	.171875				43	.671875
	3	6	12	.1875		11	22	44	.6875
			13	.203125				45	.703125
		7	14	.21875			23	46	.71875
			15	.234375				47	.734375
2	4	8	16	.25	6	12	24	48	.75
			17	.265625				49	.765625
		9	18	.28125			25	50	.78125
			19	.296875				51	.796875
	5	10	20	.3125		13	26	52	.8125
			21	.328125				53	.828125
		11	22	.34375			27	54	.84375
			23	.359375				55	.859375
3	6	12	24	.375	7	14	28	56	.875
			25	.390625				57	.890625
		13	26	.40625			29	58	.90625
			27	.421875				59	.921875
	7	14	28	.4375		15	30	60	.9375
			29	.453125				61	.953125
		15	30	.46875			31	62	.96875
			31	.484375				63	.984375
4	8	16	32	.5	8	16	32	64	1.

KNOTS AND MILES

The **U. S. Statute Mile** is 5,280 feet in length. On the Continent most of the old miles, which varied in length from about 3,300 feet to over 36,000 feet, have been replaced, officially at least, by the kilometer, which equals 0.6214 statute mile or 3,280.8 feet.

The **Nautical, Geographic, or Sea Mile** at any place is considered, for purposes of navigation, to be equal to the length of one minute of longitude at that place.

The **U. S. Nautical Mile** is 6,080.20 feet in length and equal to one-sixtieth of a degree of a great circle of a sphere whose surface is equal in area to the area of the surface of the earth (Clarke's spheroid of 1866).

The **Knot** is a measure of speed; a speed of one knot being a speed of one nautical mile an hour.

A Nautical Mile — 1.1516 statute miles; a **Fathom** — 6 feet; a **Cable** — 100 fathoms or 600 feet or approximately 0.1 nautical mile.

To convert statute miles into nautical miles, multiply statute miles by 0.8684; to convert nautical miles into statute miles, multiply nautical miles by 1.1516, or roughly $1\frac{1}{7}$.

United States Air Forces and the Navy use the knot as the standard aeronautical unit of speed and the nautical mile as the corresponding unit of distance.

MISCELLANEOUS TECHNICAL DATA

- To find diameter of a circle multiply circumference by .31831.
- To find circumference of a circle multiply diameter by 3.1416.
- To find area of a circle multiply square of diameter by .7854.
- To find surface of a ball multiply square of diameter by 3.1416.
- To find side of an equal square multiply diameter by .8862.
- To find cubic inches in a ball multiply cube of diameter by .5236.
- Doubling the diameter of a pipe increases its capacity four times.
- Double riveting is from 16 to 20 per cent stronger than single.
- One cubic foot of anthracite coal weighs about 53 pounds.
- One cubic foot of bituminous coal weighs from 47 to 50 pounds.
- One ton of coal is equivalent to two cords of wood for steam purposes.
- A gallon of water (U. S. Standard) weighs 8-1/3 lbs. and contains 231 cubic inches.
- There are nine square feet of heating surface to each square foot of grate surface.
- A cubic foot of water contains 7 1/2 gallons, 1728 cubic inches, and weighs 62 1/2 lbs.
- Each nominal horse power of a boiler requires 30 to 35 lbs. of water per hour.
- To sharpen dull files lay them in dilute sulphuric acid until they are eaten deep enough.
- A horse power is equivalent to raising 33,000 lbs. one foot per minute, or 550 lbs. one foot per second.
- To find the pressure in pounds per square inch of column of water, multiply the height of the column in feet by .434.
- Steam rising from water at its boiling point (212 degrees) has a pressure equal to the atmosphere (14.7 lbs. to the square inch).

HOW TO FIGURE PROFIT

Experience indicates that many business men have the wrong idea about figuring profit. Remember that 20 % added to cost does not yield 20 % profit. Profit is properly figured on selling price. To make 20 % profit you must add 25 % to cost.

To find correct selling price to gain a certain net profit: Add the percentage of cost of doing business and the desired per cent of profit. Subtract this from 100. Divide the cost by this remainder.

					Profit
5	%	added to cost is	4 ³ / ₄	%	
8 ¹ / ₂	%	" " " "	7	%	
10	%	" " " "	9	%	
12 ¹ / ₂	%	" " " "	11 ¹ / ₈	%	
15	%	" " " "	13	%	
16	%	" " " "	14 ¹ / ₄	%	
17 ¹ / ₂	%	" " " "	15	%	
20	%	" " " "	16 ² / ₃	%	
25	%	" " " "	20	%	
30	%	" " " "	23	%	
33 ¹ / ₃	%	" " " "	25	%	
35	%	" " " "	26	%	
37 ¹ / ₂	%	" " " "	27 ¹ / ₄	%	
40	%	" " " "	28 ¹ / ₂	%	
45	%	" " " "	31	%	
50	%	" " " "	33 ¹ / ₃	%	
55	%	" " " "	35 ¹ / ₂	%	
60	%	" " " "	37 ¹ / ₂	%	
65	%	" " " "	39 ¹ / ₂	%	
66 ² / ₃	%	" " " "	40	%	
70	%	" " " "	41	%	
75	%	" " " "	42 ² / ₃	%	
80	%	" " " "	44 ¹ / ₂	%	
85	%	" " " "	46	%	
90	%	" " " "	47 ¹ / ₂	%	
100	%	" " " "	50	%	

AMOUNT OF ONE DOLLAR AT COMPOUND INTEREST

Years	3%	4%	4 ½ %	5%	6%
1	1.03	1.04	1.04	1.05	1.06
2	1.06	1.08	1.09	1.10	1.12
3	1.09	1.12	1.14	1.15	1.19
4	1.12	1.17	1.19	1.21	1.26
5	1.15	1.21	1.24	1.27	1.33
6	1.19	1.26	1.30	1.34	1.41
7	1.23	1.31	1.36	1.40	1.50
8	1.26	1.36	1.42	1.47	1.59
9	1.30	1.42	1.48	1.55	1.68
10	1.34	1.48	1.55	1.62	1.79
11	1.38	1.53	1.62	1.71	1.89
12	1.42	1.60	1.69	1.79	2.01
13	1.46	1.66	1.77	1.88	2.13
14	1.51	1.73	1.85	1.98	2.26
15	1.55	1.80	1.93	2.07	2.39
16	1.60	1.87	2.02	2.18	2.54
17	1.65	1.94	2.11	2.29	2.69
18	1.70	2.02	2.20	2.40	2.85
19	1.75	2.10	2.30	2.52	3.02
20	1.80	2.19	2.41	2.65	3.20
21	1.86	2.27	2.52	2.78	3.40
22	1.91	2.37	2.63	2.92	3.60
23	1.97	2.46	2.75	3.07	3.82
24	2.03	2.56	2.87	3.22	4.04
25	2.09	2.66	3.00	3.38	4.29
26	2.15	2.77	3.14	3.55	4.54
27	2.22	2.88	3.28	3.73	4.82
28	2.28	2.99	3.43	3.92	5.11
29	2.35	3.11	3.58	4.11	5.41
30	2.42	3.24	3.74	4.32	5.74
31	2.50	3.37	3.91	4.53	6.08
32	2.57	3.50	4.09	4.76	6.45
33	2.65	3.64	4.27	5.00	6.84
34	2.73	3.79	4.46	5.25	7.25
35	2.81	3.94	4.66	5.51	7.68
100	19.21	50.50	81.58	131.50	339.30

INTEREST CALCULATIONS

RULE: Multiply the principal by as many one hundredths as there are days, and then divide as follows:

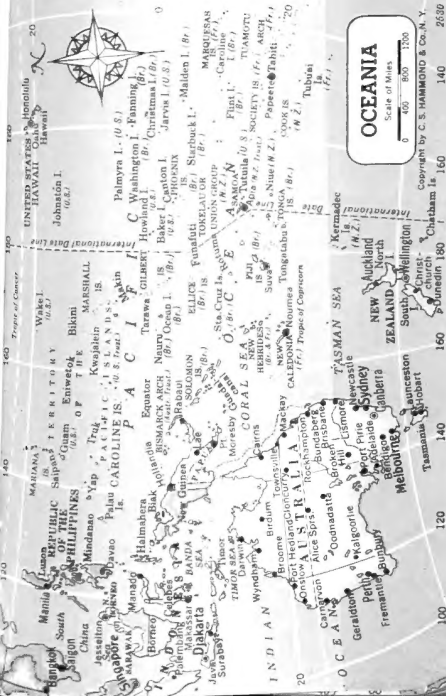
Per cent	4	5	6	7	8	9	10	12
Divide by	90	72	60	52	45	40	36	30

EXAMPLES: Interest on \$100, for 90 days at 5 per cent: $100 \times .90 = 90.00$ divided by 72 = 1.25 (1 dollar and 25 cents); on \$1, for 30 days at 6 per cent: $1 \times .30 = .30$ divided by 60 = .005 (5 mills).

TABLE: Showing the number of days from any date in one month to the same date in any other month.

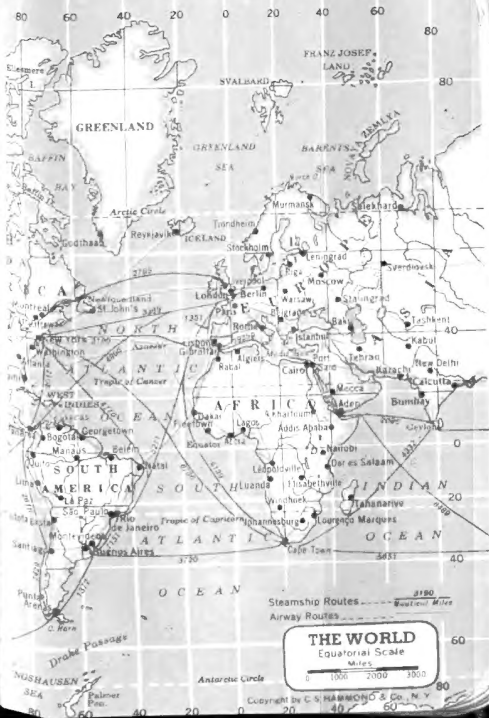
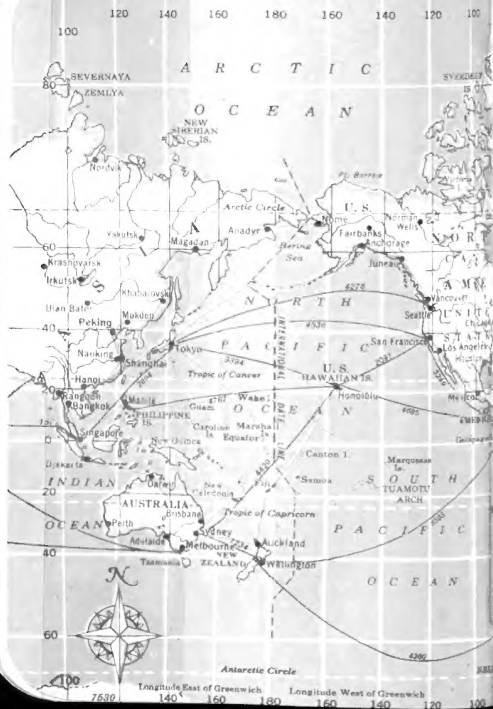
From	To	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
January		365	31	59	90	120	151	181	212	243	273	304	334
February		334	365	28	59	89	120	150	181	212	242	273	303
March		306	337	365	31	61	92	122	153	184	214	245	275
April		275	306	334	365	30	61	91	122	153	183	214	244
May		245	276	304	335	365	31	61	92	123	153	184	214
June		214	245	273	304	334	365	30	61	92	122	153	183
July		184	215	243	274	304	335	365	31	62	92	123	153
August		153	184	212	243	273	304	334	365	31	61	92	122
September		122	153	181	212	242	273	303	334	365	30	61	91
October		92	123	151	182	212	243	273	304	335	365	31	61
November		61	92	120	151	181	212	242	273	304	334	365	30
December		31	62	90	121	151	182	212	243	274	304	335	365

EXAMPLE: How many days from May 5th to October 5th? Look for May at left hand and October at the top; in the angle is 153. In leap year add one day if February is included.



Copyright by C. S. HAMMOND & Co., N. Y.

140	2530
-----	------

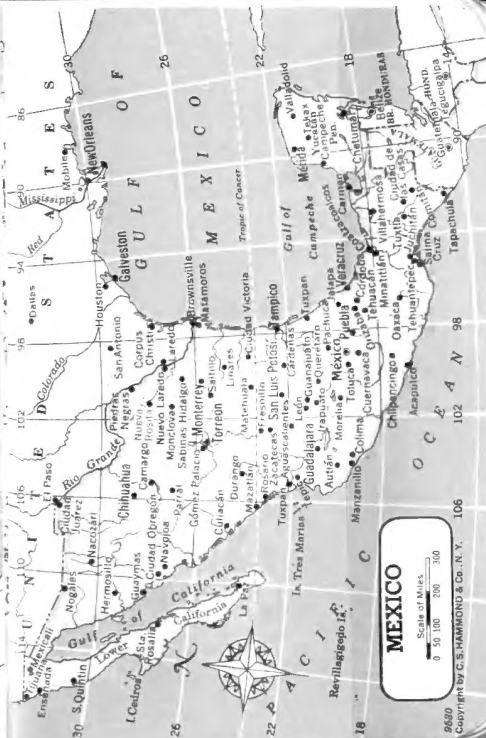
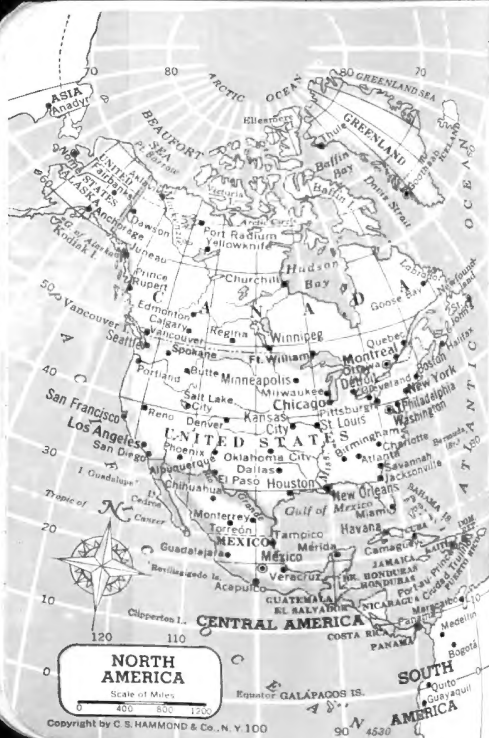


THE WORLD

Equatorial Scale

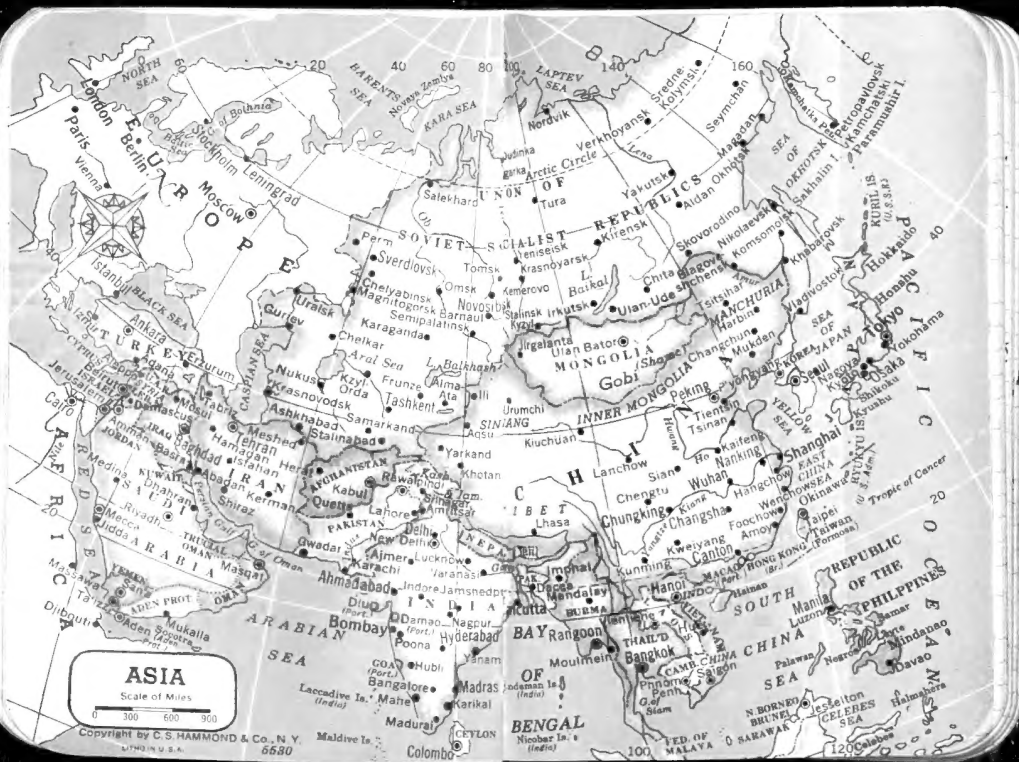
Miles
0 1000 2000 3000

Copyright by C. S. HAMMOND & Co. N. Y.













CANADA

Scale of Miles
0 100 200 300 400

Copyright by C. HAMMOND & Co. Ltd.
1920

JANUARY, 1964

Wednesday 1

Thursday 2

Friday 3

Saturday 4

JANUARY, 1964

Sunday 5

Monday 6

Tuesday 7

Wednesday 8

JANUARY, 1964

Thursday 9

Friday 10

Saturday 11

Memoranda

JANUARY, 1964

Sunday 12

Monday 13

Tuesday 14

Wednesday 15

JANUARY, 1964

Thursday 16

Friday 17

Saturday 18

Memoranda

JANUARY, 1964

Sunday 19

Monday 20

Tuesday 21

Wednesday 22

JANUARY, 1964

Thursday 23

Friday 24

Saturday 25

Memoranda

JANUARY, 1964

Sunday 26

Monday 27

Tuesday 28

Wednesday 29

JANUARY, 1964

Thursday 30

Friday 31

Saturday 1, FEBRUARY

Memoranda

FEBRUARY, 1964

Sunday 2

Monday 3

Tuesday 4

Wednesday 5

FEBRUARY, 1964

Thursday 6

Friday 7

Saturday 8

Memoranda

FEBRUARY, 1964

Sunday 9

Monday 10

Tuesday 11

Wednesday 12

FEBRUARY, 1964

Thursday 13

Friday 14

Saturday 15

Memoranda

FEBRUARY, 1964

Sunday 16

Monday 17

Tuesday 18

Wednesday 19

FEBRUARY, 1964

Thursday 20

Friday 21

WORKED AT MUSEUM
WITH NELA. MOVED ARCH.
COLLECTION

Saturday 22

Memoranda

FEBRUARY, 1964

Sunday 23

Monday 24

BOUGHT 10 ~~10~~ 20 TRAV. CHECKS
MONT. N. BK. + TR. CO.
DROVE TO NEW HAVEN - TOOK KARL
KOOPMAN. SAW DAVE CHALLINOR
DR. STUIVER. LUNCH WITH MACCLINTOCK

Tuesday 25

KEPT SCORE 2ND GAME
COMMONWEALTH CLUB
RUS PETERSON + I VISITED
GEOFF TATE + MIRIAM IN
BROOKLYN. CLAY-LISTON FIGHT

Wednesday 26

FEBRUARY, 1964

Thursday 27

Friday 28 MONTCLAIR → MUSEUM

SIGNED WILL - MR. BATE

BOUGHT PLASTIC PAIRS (18)

DROVE JEEP TO NEW YORK

DROVE TO KATONAH - DINNER

WITH GRIERSONS, VISIT DR. PORTER

Saturday 29

MONTCLAIR

DINNER WITH OLIPHANTS

ALSO HOOTONS + BOSTOCKS

Memoranda

MONTCLAIR

BOYD, PODE, KEER, + BOOTH
DAVID BATE

MARCH, 1964

Sunday 1

MONTCLAIR → MUSEUM

Monday 2

MONTCLAIR → MUSEUM

Tuesday 3

DRIZZLE, CLEARING IN P.M.,
MONTCLAIR TO N.Y.C.

K. UP ALL NIGHT. I WROTE EXPL. CLUB
LETTERS. TAXI AT 9: BOUGHT FILM.
PIER 59, S/S PIONEER STAR. D. + BILL,
H. MIMI, H + H. MR + MRS G. + H, RUS PET,
NELA. DID NOT SAIL. FRUIT FROM LEN.

Wednesday 4

SMOG, CLEARING. RAIN
TAPED CARGO. N.Y.C. PIER 59 NIGHT
WASHED DOWN ROOM. IT ARRANGED
BAGGAGE + CLOTHES. WILL GRIERSON
CALLED ON US. WENT TO MUSEUM
P.M. EXP. CLUB MATL. BULMER COLL.

MARCH, 1964

Thursday 5 N.Y.C. → NEWPORT NEWS

WENT TO MUSEUM AT 9; WORKED
ON BULMER COLL. UNTIL 1: P.M.
SAKS - 34 ST. TO BUY DECK CHAIRS
SAILED AT 10:30 P.M. VERY CLEAR

Friday 6 EN ROUTE NPT. N., VA.

UP AT 6:15 AM TO SEE SUN RISE
SAW GLAUCOUS GULL, MEADOW LARK
COWBIRDS ON BOARD. ARR. NPT. N.
LATE P.M. STAN + I WALKED
UP TOWN TO SHOP.

Saturday 7 SAVANNAH
NEWPORT NEWS → GA.

SAILED 6:30 A.M.

Memoranda

CAPT. GARLAND
FIRST MATE - MR. SCOTT
STEWARD - MR. WILLIAM SHAW

MARCH, 1964

Sunday 8

Monday 9

Tuesday 10

LAT. 30-30N. LONG.
79-13W. COURSE 139°
DIST. 119 STEAMING TIME
8 HR. 40 MIN. AV. SP. 13.51
WIND SLY-8 SEA-ROUGH
TO COLON 1420 FR. SAV. 119

Wednesday 11

LAT. 25-16N. LONG
75-25W. COURSE - VARIOUS
DIST. 372 ST. T. 24 HR AV. SP.
15.50 WD. SSE-2 SEA SLIGHT
SLY. TO COLON 1048 FR. S. 491

MARCH, 1964

Thursday 12

LT. 19-31 N. L. 74-23 W.
COURSE-VAR. DIST. 366 S.T.
24 HR. AV. SP. 15.25 KTS. WIND
ENE 4 SEA MOD. E'LY TO COLON
689 FROM SAVANNAH 857

Friday 13

LT. 14-00 N. L. 77-29 W
COURSE-VAR. DIST. 377
S.T. 24 HRS. WIND ENE-5
SEA-MOD. E'LY TO COLON
312 FR. SAV. 1234

Saturday 14

ARRIVAL COLON
COURSE-VAR. DIST. 312
S.T. 19 HR. 6 MIN. AV. SP.
16.33 WIND N.E. 5 SEA-ROUGH
N.E. TOTAL DIST. FR. SAV. TO
COLON 1575

Memoranda

PHOTOS OF IGUANAS

MARCH, 1964

Sunday 15

CANAL TRANSIT

Monday 16

LT. 06-00N. L. 84-10W

COURSE - VAR. DIST. 362 ST. T.

22 HR. 36 MIN. AV. SP. 16.04

WIND S-4 SEA ROUGH S'LY.

TO BRISBANE 7409 FROM

BALBOA 362. P. CANAL 46 MI.

Tuesday 17

LT. 04-07N. L. 89-45W

COURSE 252 DIST. 1353

ST. T. 24 HR. 30 MIN. AV. SP.

14.41 SEA MOD. S'LY

WIND S-3 TO BRISBANE

7056 FR. COLON 715

Wednesday 18

LT. 2-04N. L. 95-48W

COURSE 252 DIST. 384 ST. T.

24 HR. 30 MIN. AV. SP. 15.71

WIND S-3 SEA MOD S'LY.

TO BRISBANE 6681 BALBOA 1104

MARCH, 1964

Thursday 19

LAT. 00-08 N

TRUE

LONG. 102-07 W.

COURSE 253 DIST. BY OBS. 399

ST. T. 24 HR. 30 MIN. AV. SP. 16.28

WIND SSW-2 SEA SLIGHT S'LY

BRISBANE 6282 BALBOA 1498

TOTAL ST. T. 04-00-06

Friday 20

LAT. 01-25 S

LONG. 108-22 W

COURSE 256 DIST. 389

ST. T. 24 HR. 30 MIN. AV. SP. 15.87

W. SSE 3 SEA MOD. SSE

TO BRISBANE 5893 BALBOA

1878 T. ST. T. 05-00-36

Saturday 21

LAT. 03-18 S

LONG. 115-08 W.

COURSE 255 DIST. 423

ST. T. 24 HR. 30 MIN. AV. SP. 17.26

WIND SE-4 SEA MOD. S.E.

TO BRISBANE 5470 FR. BALBOA

2310 T. ST. 06-01-06

Memoranda

MARCH, 1964

Sunday 22 LAT. 05-18 S

LONG. 121-46 W

COURSE 253 DIST. 417 ST. T.

24 HR. 30 MIN. AV. SP. 17.01

WIND SSE-3 SEA MOD. SSE

TO BRISBANE 5053 FR. BALBOA

2727 T. ST. T. 07-01-36

Monday 23 LAT. 07-22 S

LONG. 128-00 W

COURSE 252 DIST. 394

ST. T. 24 HR. 30 MIN. AV. SP. 16.08

WIND ENE 4 SEA MOD. ENE

TO BRISBANE 4659 FR. BALBOA

3121 T. ST. T. 08-02-06

Tuesday 24 LAT. 11 05 S

LONG. 140 10 W

COURSE 252 DIST. 370 MI.

ST. TIME 24 HRS. AV. SP.

15.41 WIND E 4 SEA MOD. ELY

BRISBANE 3298 BALBOA 3882

TOTAL TIME 10-02-36

Wednesday 25 LAT. 09 08 S

LONG. 134 17 W

COURSE 274 DIST. 391 MI.

ST. TIME 24 1/2 HRS. AV. SP.

15.95 WIND E 4 SEA MOD.

E, LY. BRISBANE 4268 BALBOA

3512

MARCH, 1964

Thursday 26

LAT. 13.00 S

Lg. 146.26 W

COURSE 253° DIST. 387 MI.

ST. T. 24 1/2 HRS. AV. SP. 15.79

WIND E 4 SEA MOD. E, LY

BRISBANE 3511 BALBOA 4269

TOTAL TIME 11-03-06

Friday 27

LAT. 14 58 S

Lg. 152.43 W

COURSE 252 DIST. 387

ST. T. 24 1/2 HR. AV. SP. 15.79

WIND E 4 SEA MOD. E, LY

BRISBANE 3124 BALBOA 4656

TOTAL TIME 12-03-36

Saturday 28

LAT. 16 44 S

Lg. 158.51 W

COURSE 253 DIST. 371

ST. T. 24 1/2 HRS. AV. SP.

15.14 WIND E 3 SEA MOD.

E, LY BRISBANE 2753 BALBOA

5027 T.T. 13-04-06

Memoranda

MARCH, 1964

Sunday 29

LAT. 18 20 S
Lg. 165 21 W

COURSE 255 DIST. 386

ST. T. 24 1/2 HRS. Av. Sp. 15.75

WIND E'LY 3 SEA MOD. E'LY

BRISBANE 2367 BALBOA 5413

T.T. 14-04-36

Monday 30

LAT. 20 20 S
Lg. 171 58 W

COURSE VARIOUS DIST. 396

ST. T. 24 1/2 HRS. Av. Sp. 16.16

BRISBANE 1965 BALBOA 5809

T.T. 15-05-06

Tuesday 31

INT. DATE LINE

CROSSING

Wednesday 1, APRIL

LAT. 22 04 S
Lg. 178 41 W

COURSE VARIOUS DIST. 392

ST. T. 24 1/2 HRS. Av. Sp. 16.00

WIND ENE 2 SEA SLIGHT N.E.

BRISBANE 1573 BALBOA 6201

T.T. 16-05-36

APRIL, 1964

Thursday 2 LAT. 23-04 S
LG. 174-23 E
COURSE 261 DIST. 391
ST. T. 24 1/2 HRS. AV. Sp. 15.95
WIND SSE 4 SEA MOD. SSE
BRISBANE 1182 BALBOA
6592 TT 17-06-06

Friday 3 LAT. 23 47 S
LG. 161 47 E
COURSE, VARIOUS DIST. 370
ST. T. 24 1/2 HRS. AV. Sp. 15.10
WIND E 4 SEA MOD. E'LY
BRISBANE 817 BALBOA 6962
TT 18-06-36

Saturday 4 LAT. 26 40 S
LG. 162-52 E
COURSE, VAR. DIST. 381
ST. T. 24 1/2 HRS. AV. Sp. 15.51
WIND E 10 SEA VERY ROUGH
E'LY BALBOA 7343
TT 19-07-06

Memoranda

CYCLONE - HENRIETTA

APRIL, 1964

Sunday 5

LAT. 25 36 S

LG. 158 08 E

COURSE, VAR. DIST. 355

ST. T. 24 1/2 HRS. AV. SP. 14.49

WIND SSW 8 SEA VERY ROUGH

SSW BALBOA 7698

T.T. 20-07-36 GLASS

Monday 6

SAW MORETON LKT., HOUSE MTS.

ARRIVED BRISBANE

AT NOON. SAW SUNRISE + SURF
ON BRIBIE ISLAND. 3 SP. TERNS,
JAGGERS, IBIS, SHEAR. PHOTOS.
FILM THRU CUSTOMS ON. TO
LENNONS. KAY + STAN BREEDEN, K.J.
MET THE SHIP.

Tuesday 7

BRISBANE. STAN + I
DID ERRANDS ALL DAY. WE
ALL WENT TO QUEENSLAND
MUSEUM TO VISIT. JACK WOODS
NOW DIRECTOR. THA TICKETS
TO NEW GUINEA. ↑

Wednesday 8

BRISBANE. WITH K.
JARROTT + JEAN FOR DINNER.
VISITED CARRIER MAIL OFFICE.

(SEE THUR. ACCOUNT)

THURS. - MUSEUM IN P.M.
DINNER WITH VERNONS
KAY WITH APRIL, 1964 MRS. WHITE

Thursday 9 BRISBANE - FAIR
LONG PINE KOALA
SANCTUARY - MR. REID.
KAY, STAN + I BY RIVER
BOAT, VISITED MR. BROOKS
ON RETURN TO BRISBANE.
ERRANDS IN A.M.

Friday 10 BRISBANE
WITH CECILY + TIM FEARNLEY
FOR ALL DAY TOUR OF PARKS
+ RANGES NEAR BRISBANE
MT. GLORIOUS, BR-TAILED
PHASCOGALE.

Saturday 11 BRISBANE
TO OASIS FOR AFTERNOON
WITH HUGH + JEAN OSBORN +
3 BOYS (JEAN'S BIRTHDAY)

TO T.A.A. FOR FLIGHT TO N.G.

Memoranda

APRIL, 1964

Sunday 12

BRISBANE T. P.M.
P.M. AT DR. ST. SZENT-IVANY
STAYING AT BAMPTON HOME-TEL
MR. + MRS. LONG. STAN FLEW ON
TO PT. M. HOOGLAND MET STAN.
H. ARR. APR. 5?

Monday 13

P.M.
SAW SIR DONALD, DR. GUNTHER
DINNER WITH DAVID FENBURY
J.K. MCCARTHY, KEITH CHAMBERS,
ALAN CHILDS, BILL CONROY, TERRY
ROTHWELL

Tuesday 14

PT. M. TO LAE
DECIDED ON PINDU, NOT
FINSCHAFEN

Wednesday 15

LAE. SAW D.C.
MADE OUT FOOD LIST. WEIGHED
CARGO FOR AZTEC. POLICE
PERMITS.

APRIL, 1964

Thursday 16

LAE

10:30 A.M. CROWLEY FLEW D.O.
DES ASHTON, RU, + MYSELF INTO
PINDIV. MET P.O. RON WILLARD.
BACK IN LAE BEFORE NOON.

Friday 17

LAE

Saturday 18

LAE

Memoranda

MRS. HUXLEY - WIFE
OF OWNER OF LOCAL PAPER.

APRIL, 1964

Sunday 19

LAE

WROTE LETTER #4 TO LEN

Monday 20

LAE

KEN TO PINDIU ON FIRST
FLIGHT. STAN + TOBRAM
ON 2ND FLIGHT

Tuesday 21

LAE TO PINDIU

Wednesday 22

PINDIU

APRIL, 1964

Thursday 23

PINDIU

Friday 24

PINDIU

Saturday 25

PINDIU

Memoranda

RON + REN WILLARD

STEPHEN GIBSON C.P.O

GRAHAM WILSON - TEACHER

IAN ROWLES

AGR. OFFICER

APRIL, 1964

Sunday 26

PINDIU

Monday 27

PINDIU

Tuesday 28

PINDIU

1 DOBSONIA - SHOT BY KEN
1 MINIOPTERUS - SHOT V.D.
2 SYCONYCTERIS - MIST NET
7 RATTUS EXULANS
RAIN + CLOUD MOST OF DAY

Wednesday 29

PINDIU

APRIL, 1964

Thursday 30

PINDIU

Friday 1, MAY

PINDIU

Saturday 2

PINDIU

Memoranda

MAY, 1964

Sunday 3

Pindiputi MASBA (K)

Monday 4

MASBA

Tuesday 5

MASBA

Wednesday 6

MASBA

MAY, 1964

Thursday 7

MASBA

Friday 8

MASBA

Saturday 9

MASBA

Memoranda

MAY, 1964

Sunday 10

MASBA

Monday 11

MASBA

Tuesday 12

MASBA

Wednesday 13

MASBA

MAY, 1964

Thursday 14

MASBA

Friday 15

MASBA

Saturday 16

MASBA

Memoranda

MAY, 1964

Sunday 17

MASBA

Monday 18

MASBA

Tuesday 19

MASBA

Wednesday 20

MASBA

MAY, 1964

Thursday 21

MASBA

Friday 22

MASBA

Saturday 23

MASBA → PINDIU

RON WILLARD'S BIRTHDAY
EXPEDITION INVITED TO
DINNER.

Memoranda

MAY, 1964

Sunday 24

PINDIU

BEAUTIFUL A.M. CLOUDS IN
P.M. RAIN AT 9: P.M.
WROTE LETTERS. DRIED
TENTS. FOLD LISTS FOR KENTO
GET IN L.AE.

Monday 25

PINDIU

Tuesday 26

PINDIU

Wednesday 27

PINDIU

MAY, 1964

Thursday 28

PINDIV

Friday 29

PINDIV

Saturday 30

PINDIV TO TUMNANG

Memoranda

MAY, 1964

Sunday 31

TUMNANG

NO CARRY ON SUNDAY!

Monday 1, JUNE

T. TO SELIMBENG

Tuesday 2

SELIMBENG TO
ZENGAREN
BROKE BULUM RIVER

Wednesday 3

ZENGAREN TO
GANG CREEK CAMP
4400'

JUNE, 1964

Thursday 4

Mt. R. - GANG CR.

Friday 5

Mt. R. - GANG CREEK

Saturday 6

Mt. R. - GANG CR.
2 MESSENGERS LEFT AT
NOON FOR PINDIV

Memoranda

JUNE, 1964

Sunday 7

Mt. R. Ganga Cr.

Monday 8

Mt. R. Ganga Cr.
KORING BROUGHT IN 2
TREE CLIMBERS + A WALLABY

Tuesday 9

Mt. R. Ganga Cr.

Wednesday 10

Mt. R. Ganga Cr.

JUNE, 1964

Thursday 11

G.

Friday 12

G.

Saturday 13

G.

Memoranda

JUNE, 1964

Sunday 14

G

Monday 15

G

Tuesday 16

G

Wednesday 17

G

JUNE, 1964

Thursday 18

G

KEN MACGOWAN TO
SUMMIT AREA 7390'

Friday 19

G

SING-SING

Saturday 20

G

RECORDING MIDNIGHT-1:AM

Memoranda

JUNE, 1964

Sunday 21 G

DICK ZWEIFEL ARRIVED

Monday 22 G

Tuesday 23 G

Wednesday 24 G

JUNE, 1964

Thursday 25 G

Friday 26 G

Saturday 27 G

Memoranda

JUNE, 1964

Sunday 28 GANG CREEK

Monday 29 GANG CR.

RU + LYN CRAVEN MADE
TOP CAMP ON MT. R. 6000'

Tuesday 30 GANG CR.

DICK Z. LEFT FOR LAE

BOUGHT ZAGLOSSUS

Wednesday 1, JULY GANG CR.

RU CAME DOWN TO SEE Z.

JULY, 1964

Thursday 2

GTANG

VAN DEUSEN VISITED TOP
CAMP + SUMMIT AREA. TRUE
PEAK S.W. OF MEN'S TREE PEAK
7450' TOBRAM, ADZING, V.D.
MT. RAWLINSON

Friday 3

GTANG

Saturday 4

GTANG

Memoranda

JULY, 1964

Sunday 5

GANG CR.

Monday 6

G. TO ZENGAREN

♂ TREE CLIMBER BROUGHT IN
AT 5: P.M.

OVER N. RIDGE THRU GARDENS.

Tuesday 7

ZENGAREN

RAIN. SLEPT - WOG.

MURUK FEAST AT COUNSELOR'S
"COMPOUND".

Wednesday 8

Z. TO SELIM-
BENG TO OGERAMNANG
KEN MACGOWAN STILL AT Z.

JULY, 1964

Thursday 9

OGERAMNANG
LYN CRAVEN DEP. FOR TOBO
STAYING AT PASTOR'S HOUSE.

BOUGHT 2 ZAGLOSSUS

Friday 10

OGERAMNANG TO TOBO
TO TAPANG BROKE THE
HVA. COLLECTED 3 HUMUS
FROGS. RAIN A.M. CLEAR A.M.
KIM STILL AT TOBO. KIM
CAME WITH CARRIERS AT 12:45 A.M.

Saturday 11

TAPANG TO PINDIV
DEP. 8: A.M.
ARR. PINDIV 1:15
COLD SNACKS WITH RON + REN
WILLARD. STAN IN AT 4:15
FAIR. COULD SEE MINDIK AIRSTRIP

Memoranda

JULY, 1964

Sunday 12

PINDIU FAIR
GRAEME WILSON + IAN CALLED
DRYING SKINS. MADE E. CAUD.
GIBSON ROWLES
STEPHEN + IAN HAD US
FOR DINNER

Monday 13

PINDIU FAIR
RU FLEW TO LAE ABOUT NOON
TOOK SKINS + SKULLS
STAN TOOK ZAGLOSSUS MOVIES
PRESERVED 1 OF 3 ZAGLOSSUS

Tuesday 14

PINDIU
KEN TO LAE
RU RETURNED TO PINDIU
SKINNED ZAGLOSSUS 18458

Wednesday 15

PINDIU

DICK Z. KIP SLUDER IN
TOWN. MARY + JOHN W.
L. EVENETT. JULY, 1964

Thursday 16

PINDIU → LAE

ROD OFF FOR ULUR AT 10.
CARGO ON STRIP AT 7:30
FOR LAE. WAITED UNTIL
4:30 (PHIL - GESSNA). AT
CECIL. SAW KEN'S FILMS.

Friday 17

~~PINDIU~~ LAE FAIR

SAW D.C., D.O. (DES ASHTON)
MAILED FILM, PICKLED ZA-
GLOSSUS, FOOD ORDERED, SILVER
FROM BANK. PHOTOGRAPHING
IN BOTANICAL GARDEN, FROGS.

Saturday 18

LAE

HAROLD BROOKFIELD IN
TEA AT WOMERSLEY'S.
WORKED AT BOTANY SHED
PICTURES OF L.A.E.'S CUSCUS

Memoranda

P.O. GR. 1

ITABWUM - G.A. HERIOT
PINDIU - S.T. GIBSON C.P.O.
LAE - D.N. ASHTON D.O.

JULY, 1964

Sunday 19

LAE

DICK Z. + KIP SLUDER
TO WAU BY AIR.
COLL. HIGGINS PHAL. MAC
WORKED AT BOTANY SACD
TO R.S.L. TO SEE LIEVENWETT

Monday 20

LAE TO PINDIU

WROTE LETTERS UNTIL
11 A.M.

ALL SPECIMENS IN GOOD
ORDER. STRUCTURAL STEEL
ON HERB. ROOF

Tuesday 21

~~LAE~~ PINDIU

CROWLEY (A2TC) 3:50 - 4:10
ITEN, STAN, V.D. + CARGO

PACKING MADE UP
ZAGLOSSUS
FAIR 30' 15" 11:30 P.M.

Wednesday 22

PINDIU TO BERA-
KWAIYU

9:30 - 2:00 ARR. MONGI - KUA
DIVIDE 4700'. BERA KWAIYU 4900'
RAIN - NOON ON. MOON OUT. ITEN
STILL AT PINDIU - NEEDS 30 CARRIERS

SOME SUN P.M.

OVERCAST JULY, 1964 NO RAIN

Thursday 23 BERAKWAIYU - TAPANG
DEP. 1:45, ARR. T. 4:30

Friday 24 YAPANG FAIR
KEN MAY LEAVE PINDIV TODAY
MESSENGER ARR. T. AT 9: A.M.
9:30 - 9:50

KEN ARR. WITH CARGO 3: P.M.
K + I SHOT 5 BATS

Saturday 25 YAPANG → NENGI → LALANG
RAIN IN EARLY A.M. CARRY OFF
AT 8:30 PLENTY OF CARRIERS
ARR. LALANG 11:30 A.M.
4:50 MADE UP BAT.
FAIR WITH SOME CLOUD

TSOB

Memoranda MET R.D.M. CLELAND AT
WILLARDS - SON OF SIR DONALD.
21 JULY, ALSO SCHOOL INSPECTOR
ON WAY TO SATTELBERG.

JULY, 1964

Sunday 26

LALANG RAIN!
VERY FEW CARRIERS. DO
NOT WANT TO CARRY IN
RAIN & ON SUNDAY.

Monday 27

LALANG TO AVENGU^G
^

Tuesday 28

AVENGU^G
^

Wednesday 29

AVENGU TO ULUR
8: A.M. - 4: P.M. RAIN

JULY, 1964

Thursday 30

ULUR

SETTING UP MAMMAL
TENT + FLY

Friday 31

ULUR

25 LIVE TRAPS IN ITUNAI
12 STEELS IN FOREST
5 WIRE LIVE TRAPS
1 MIST NET - EDGE OF FOREST

Saturday 1, AUGUST

ULUR

MIST NET OVER MONGI
STEEL TRAPS IN ITUNAI + BUSH
5 R. RUBER IN TRAPS
TOBRAM CAUGHT SMALL FROG-
MOUTH BY HAND. MADE BAT
REFLECTOR

Memoranda

ALTIMETER 8025

AUGUST, 1964

Sunday 2 ULUR

Monday 3 ULUR

Tuesday 4 ULUR

Wednesday 5 ULUR

AUGUST, 1964

Thursday 6

ULUR

Friday 7

ULUR

Saturday 8

ULUR

Memoranda

AUGUST, 1964

Sunday 9 ULUR

Monday 10 ULUR

Tuesday 11 ULUR - FAIR!

KEN MACGOWAN + TOBRAM
TO MT. ULUR SUB-CAMP
BAYONE BROUGHT IN YG. THYLOGALE

Wednesday 12 ULUR HIGH CLOUD

KEN CLIMBED ULUR
ALTIMETER 9370
KOROKAMBUK + SAMIANG

AUGUST, 1964

Thursday 13

ULUR

Friday 14

ULUR

Saturday 15

ULUR

Memoranda

AUGUST, 1964

Sunday 16 ULUR

Monday 17 ULUR

Tuesday 18 ULUR

Wednesday 19 ULUR. STAN, To-
BRAM, EDEWAWA + I CLIMB-
ED ULUR - ALTIMETER 9400'
5:20 AM - 6:20 P.M.
KEN TO BASE CAMP - MT. Up HSENGA

AUGUST, 1964

Thursday 20

ULUR - RAIN

HUNTERS BROUGHT IN
4 SILKY CUSCUSES + 1
HYOMYS. SENT TO BRAM
TO KEN. RUNNER IN WITH
NOTE FROM P.O. TONY HERIOT.

Friday 21

ULUR

Saturday 22

ULUR

Memoranda

AUGUST, 1964

Sunday 23

ULUR

Monday 24

ULUR

Tuesday 25

ULUR

Wednesday 26

ULUR

AUGUST, 1964

Thursday 27 ULUR

Friday 28 ULUR

Saturday 29 ULUR

Memoranda

AUGUST, 1964

Sunday 30

ULUR

Monday 31

MT. ULUR CAMP → INDAGEN
CARRIERS DEP. 9: STAN. KENTI 9:20
1925 LUNCH PLACE 8450 (PICTURE MT. ULUR)
PASS 8900 1.10 STR. OOBALA
6700 3:50 ARR. INDAGEN
5:15 6000'

Tuesday 1, SEPTEMBER

IND TO ILOKO
DEP. 8:45 (6000) FAIR. TO
UNENU, MT. GAUN PICT.
AND RIVER 4500 UNENU 5900
GWAMA RIVER (SWIM) 5150
2:45 ARR. ILOKO 5500

Wednesday 2

ILOKO TO KABWUM
5400 (7:30) DEP. SANAN 5675
BAMARUP TA 5150 TIPSIT
5100 846 UPAT 9:40 5400 ILAN
5000 INPENING & RIVER

SEPTEMBER, 1964

Thursday 3 KABWUM - RAIN

HERIOTS FOR DINNER

Friday 4 KABWUM

AT HERIOTS FOR DINNER

Saturday 5 KABWUM

AT L. TILLEY'S FOR DINNER

Memoranda

FRUG 5800

INDUM 5600 1:30

KABWUM 5000 1:30

DRINKS WITH HERIOTS (TONY + LORRAINE)

GUNDAIO (ILORIO) GREEN SW

SEPTEMBER, 1964

10 P.M.

Sunday 6

KABWUM 4:50'

PHIL CAME IN AT 11 A.M. (CESSNA)
SENT GREEN CANS + AMMO BACK TO
LAE. VISITED L. TILLEY - TOOK
PICTURES. L.T. FOR DINNER.

Monday 7

KABWUM

STONE MORTAR + PESTLE

Tuesday 8

LAE FROM KABWUM

OTTER OFF AT NOON. FINSCH-
HAFEN AT 12:40. MET BRIAN
LEE. OFF AT 1:40, LAE 2:00
ALL GEAR TO BOTANY. DRINKS AT
JOHN + MARY WOMERSLEY'S. ERIKA

Wednesday 9

LAE RAIN A.M. P.M. FAIR

P.O. BANK. CUTTINGS (AM'S CUP)
TO DES ASHTON. WORKED AT BOT.
A.M. TAA. B.P. N. OSBORN. KAM
HONG

SEPTEMBER, 1964

Thursday 10

LAE

Friday 11

LAE TO FINSCH
SAILED 10 15 P.M.

Saturday 12

FINSCHHAFFEN

ARR. MALASIGA 6 A.M.

DREGERHAFFEN 8 A.M.

STAYED AT DEPT. CIVILIANA.

Memoranda

OLD. GATTON

TILLEY LIONEL

AG. CFF KAWBOM

CAPT. EDWARD FORD

BRIAN + PAT LEE

SEPTEMBER, 1964

Sunday 13

FINSCH

Monday 14

FINSCH

Tuesday 15

FINSCH

Wednesday 16

FINSCH

SEPTEMBER, 1964

Thursday 17

FINSCH

Friday 18

FINSCH

Saturday 19

FINSCH

Memoranda

MR. & MRS. ERIC COYLE
MR. & MRS. JOHN SMITH
MR. & MRS. JOHN K. OATES
MR. & MRS. ROBERT MATHESON
DAVID LAWREY P.O.

SEPTEMBER, 1964

Sunday 20

FINSCH

Monday 21

FINSCH

Tuesday 22

FINSCH

Wednesday 23

FINSCH

SEPTEMBER, 1964

Thursday 24

FINSCH

Friday 25

FINSCH

1ST HYDROGRAPHS FOR TRIP

Saturday 26

FINSCH TO LAE

SAILED 9:00 A.M.
TRAIN UNTIL NOON. FARE \$11
BOUGHT TAMI IS. WOODEN W.
FROM LOATES ARR. LAE 4:
AT T.A.A.

Memoranda

ERIC SEETO

(SON DERICK)

TED (EDWARD) FORD
"BERINGA"

SEPTEMBER, 1964

Sunday 27

LAE

Monday 28

LAE

MOVED TO S. I. L.
ON PINGIANG MR. & MRS
TERRY ALLEN (JAN)

TANIS TO PINDIV

Tuesday 29

LAE

Wednesday 30

LAE

B.M. PARTY / CLIVE
JEREMY, MICHAEL BACHUS
ROY POLLEN TO GUSAP

OCTOBER, 1964

Thursday 1

LAE

Friday 2

LAE

TREE RAISING CELE-
BRATION AT LAE
HERBARIUM.

TREVOR WALKER, ALAN EDDY
TO GUSAP

Saturday 3

LAE

STANDER. FOR P.M.
A.M. D.C.B. MOVIES
WITH S.I.L. PEOPLE.
WORKED AT BOTANY

Memoranda

L.E. (LEE + MEG
ASHTON)

OCTOBER, 1964

Sunday 4

LAE

WORKED AT BOTANY
SHED. PICNIC SUPPER
WITH ALLENS AT STEWART
PARK

Monday 5

LAE

DINNER AT L. ASHTON'S
MEG, LEE, MATRON HOXLEY, MISS
DAVIS

Tuesday 6

LAE

GOLF WITH HORRIE
NIALL, GEORGE NIGHTING
GALE, L. E. ASHTON

DINNER AT OSBORN'S

Wednesday 7

LAE

RU TO ILOKO FROM TOP
CAMP - 7 HOURS

OCTOBER, 1964

Thursday 8 LAE

RU - ILOKO TO KLABWUM

GOLF + DINNER WITH BETTY
+ PERCE WARD

Friday 9 LAE

RU'S CARGO, KIM + WAWA
TO KLABWUM

Saturday 10 LAE - RU, KIM, DAR-
SON, WAWAINA ARRIVED 10:
A.M.

DINNER WITH HUMPHRIES
(HILDA + BILL)

Memoranda BETTY + PERCE
WARD - PRES. LAE
GOLF CLUB - MET
AT SAMARAI

OCTOBER, 1964

Sunday 11 LAE

VISITED MRS. JENSEN AT
DAIRY FARM (NEE GRAHAM)
DAUGHTER JILL (MRS. LEWIS)

WORKED AT BOTANY

Monday 12 LAE - DARSON + WA-

WAINA FLEW TO PINDIV.

VISITED LYNN + PETER VAN
ROYEN - SNAKE COLLECTION

Tuesday 13 LAE - RU FLEW TO
CANBERRA. V.D. TO GARRINA
TO PICK UP SNAKE COLLECTION
FROM ANGUS HUTTON.

DINNER: MATRON HUXLEY, MEG +
LEE ASHTON, MRS. MILLAR, ARTHUR II.

Wednesday 14 LAE

OCTOBER, 1964

Thursday 15

LAE

{ SKINNED
TR. CL. HAN.
KEVIN BELL

GOLF LEE ASHTON
WARD + HARRY

DINNER AT MILLARS

Friday 16

LAE

3"-4" RAIN P.M.

MEG ASHTON + KEN JAMES
TO TAA FOR DINNER + TO
MOVIES "ZULU"

CRATED WITH KIM

Saturday 17

LAE

DINNER AT CROWLEYS

Memoranda

METEOROLOGIST =
ARTHUR DOUGLAS

OCTOBER, 1964

Sunday 18

LAE

CRATING

DINNER AT ARTHUR DOUGLAS.
DR MORETON, DOROTHY MILLAR, MR. + MRS JOHN MILLAR, JIM, MRS.

Monday 19

LAE

CRATING. HELPED BY TED IRWIN + ADRIAN I.

Tuesday 20

LAE

CRATING - KIM

RSL - SAW LIONEL

Wednesday 21

LAE

FINISHED CRATING

KIM TO BETTY CROWLEY

OCTOBER, 1964

Thursday 22 LAE TO P.M.

Friday 23 P.M. TO MILNE BAY
TO SAMARAI

ERNIE EVENNETTS

"SIRIUS" NIGHT AT MILLER

Saturday 24 SAMARAI TO
GOODENOUGH IS.

Memoranda MRS. DES ASHTON
AT COLYER-WATSON

OCTOBER, 1964

Sunday 25

G.I.

ARR. 1:10 P.M.

Monday 26

G.I.

Tuesday 27

G.I.

Wednesday 28

G.I.

OCTOBER, 1964

Thursday 29

G.I.

Friday 30

G.I.

Saturday 31

G.I.

Memoranda

NOVEMBER, 1964

Sunday 1

G.I.

Monday 2

G.I.

Tuesday 3

G.I.

Wednesday 4

G.I.

NOVEMBER, 1964

Thursday 5

G.I. to P.M.

11:15 A.M. → 3:15

LOSUIA (TROB. IS.) + POPONDETTA
NIGHT AT RAPSON'S

AILSA'S 42ND BIRTHDAY

Friday 6

P.M. TO BRISBANE

LECTURE NAT. PARKS ASSO.

CAPE YORK + N.G.

DINNER WITH TARROTT'S

FROM P.M. WITH KEN MACGOWAN

11:15 A.M. 4:15 KEITH MET ME.

Saturday 7

BRISBANE → NOOSA

SPENT LAST NIGHT AT JIM +
CECILY FARNLEY'S.

DROVE TO NOOSA HEADS

WITH F'S. 3½ MI. WALK ALONG

HEADS. NIGHT AT THEIR COTTAGE

Memoranda

CELIA (10) - 7 MARCH

JONATHAN (9) - 2 NOV.

ANNE (3) - 14 JUNE

ROGER (5) - 29 JULY

CECILY (?) - 8 MARCH

23 Nov
7/1

NOVEMBER, 1964

Sunday 8

NOOSA → BRISBANE
BREAKFAST AT LOOKOUT
BLACK BUTT RANGE SKY-
LINE DRIVE - GLASSHOUSE MTS.
NIGHT AT F'S HAPPY VALLEY
JACARANDAS IN BLOOM

Monday 9
A.M.

BRISBANE
SORTED PAPERS + LETTERS
NIGHT AT FEARNLEY'S

Tuesday 10

BRISBANE
NIGHT AT JARROTS

Wednesday 11

BRISBANE
JARROTS

NOVEMBER, 1964

CHERUB ST.

Thursday 12 BRISBANE → TUGUN
MRS. W.L. MACGOWAN - DROVE
DOWN WITH KEN. SAW KEN'S
MOVIES - 3 REELS

Friday 13 TUGUN → BRISBANE
VISITED DAVID + SIGRID
FLEAY. TOOK BREEDENS
TO DINNER + MOVIES

Saturday 14 BRISBANE
DINNER WITH VERNONS
LUNCH WITH BREEDENS

Memoranda

NOVEMBER, 1964

Sunday 15

BRISBANE → SYDNEY

HYDE PARK HOTEL

SYDNEY HOSPITAL - SISTER MARLIN

(MATRON IRWIN - P.M.)

PENICILLIN INJECTION

Monday 16

SYDNEY

HOSPITAL - NEW DRESSINGS

SAW MARLOW AT MUSEUM.

Tuesday 17

SYDNEY → PERTH

727 JET - 4:40 MIN.

RIDE MET ME. TO MUSEUM

Wednesday 18

PERTH

LOOKED AT SKINS WITH BUTLER

DINNER WITH MR + MRS. M.L. FRY

LOOKED AT HER MAMMAL DRAWINGS

NOVEMBER, 1964

Thursday 19

PERTH

AT MUSEUM. LUNCH WITH PROF.
+ MRS. HODGKINS, + RIDE. SAW
DOM SERVENTY. DINNER AT RIDES.
H. BUTLER'S MOVIES. VISITED MCGANN'S.
MR + MRS. BUTLER TOOK ME TO AIRPORT.

Friday 20

M. RIDE'S BIRTHDAY

PERTH → MELBOURNE

12:30 A.M. - 7: A.M. DIRECT
SAW LYNN OSBORN AT ST. KILDA
CALLED ON MR. + MRS. GORDON
FAWNS, MCKINNON. SAW
DR. NO. HOTEL LONDON

Saturday 21

~~PERTH~~

MELBOURNE

LOOKED AT PICTURES
AT RENE'S. LUNCH W.
GEOFF BROOKE. D. AT
10 P.M. INNER

Memoranda

NOVEMBER, 1964

Sunday 22

MELBOURNE
BR. W. RENE LUNCH W.
R. JUDY + D. AT EMERALD
COUNTRY CLUB. DINNER
WITH BEN + ISABEL +
RENE + JUDY.

Monday 23

MELBOURNE
I. W. D. P.M. WITH JOHN
THOMSON. BROOKES
TAPED AN INTERVIEW.
LUNCH W. GEOFF + GRAHAM
PIZZEY. SAW J. McNALLY.

Tuesday 24

M → CANBERRA
BR. W. D. LUNCH WITH
JOHN McNALLY + RENE
EVENING WITH JOHN
CALABY. IN CANBERRA - HES
NEW LIBRARY ROOM.

Wednesday 25

CANBERRA
R. HOOGLAND IN A.M. + LUNCH
D.V. W. RES. IN P.M. KENT KEITH
LOOKED AT N.G. MAMMALS. ALSO
N.S.W. J. CALABY. DINNER W. CALABY.

NOVEMBER, 1964

Thursday 26

CANBERRA

TO R. HOOGLAND'S OFFICE TO
MEET ALLEN STEWART, CHIEF
OF DIV. OF LAND SURVEY

GUEST EVENING AT HOOGLANDS

Friday 27

C → SYDNEY

ARR. 2: P.M. TO FLUST.

MUSEUM TO SEE MARLOW
LETTERS FROM HOME.

D. C. P. M.

Saturday 28

SYDNEY

DINNER W. MARLOWS AT
NARRABEEN. SAW NEW HOME
HAS PLANIGALE. FERRY
TO MANLEY BOTH WAYS.

Memoranda

NANA, 2 DAUGHTERS
TO (BASIL'S WIFE)

NOVEMBER, 1964

Sunday 29

SYDNEY

Monday 30

SYDNEY

Tuesday 1, DECEMBER

SYDNEY

Wednesday 2

SYDNEY

DECEMBER, 1964

Thursday 3

SYDNEY

Friday 4

SYDNEY

TARONGA PARK

SIR EDWARD HALLSTROM

PICTURES OF DRAGONS

Saturday 5

SYDNEY

Memoranda

DECEMBER, 1964

Sunday 6

SYDNEY

COLD - CLOUDY

2 { MON SYDNEY - FISH - HAWAII
Monday 7 SAN FRANCISCO
MUSEUM A.M. IN SYDNEY

PHONED KAY + JIM REED

Tuesday 8

SAN FR. - N.Y.C.

ARR. 7:30 A.M. HOME 10:AM

Wednesday 9

N.Y.C.
MUSEUM

DECEMBER, 1964

Thursday 10

N.Y.C.

MUSEUM

Friday 11

N.Y.C.

MUSEUM

Saturday 12

Memoranda

DECEMBER, 1964

Sunday 13

Monday 14

Tuesday 15

Wednesday 16

DECEMBER, 1964

Thursday 17

DE Yubnu2

Friday 18

SI Yubnu2

Saturday 19

SI Yubnu2

Memoranda

SI Yubnu2/W

DECEMBER, 1964

Sunday 20

Monday 21

Tuesday 22

Wednesday 23

DECEMBER, 1964

Thursday 24

Friday 25

Saturday 26

Memoranda

DECEMBER, 1964

Sunday 27

Monday 28

Tuesday 29

Wednesday 30

DECEMBER, 1964

Thursday 31

SPECIAL DATA

FINSCH AREA MAP

NO. 0460 LANGEMAN

BAY 1:25000 SERIES
AUST FED. SVY. COY. 1944

DATE	SOCIAL SECURITY RECORD EMPLOYER	AMOUNT
------	------------------------------------	--------

JAN.	MINISTER CARPET	99
------	-----------------	----

	N. BROM. HILL	41
--	---------------	----

	OPT. IND.	58
--	-----------	----

FEB.		
------	--	--

MAR.		
------	--	--

APRIL		
-------	--	--

[illegible]

MAY

JUNE

JULY

AUG.

DATE

SOCIAL SECURITY RECORD
EMPLOYER

AMOUNT

SEPT.

OCT.

Nov.

DEC.

INSURANCE

[illegible]

2 July 1964

No clouds

ADDRESSES

E-F

NAME ALTIMETER 4625'

ADDRESS LEFT CAMP 10:05

GANG CR. 4525' CROSSING

PHONE 10:30 TRAIL XZ. - Top C.
5000'

PANDANUS PORTAL 10:50 5400

NAME RD TO NUMBUT 100^{YD}

ADDRESS TOP CAMP 6000' 11:20

PHONE LEFT TOP CAMP 11:45

WATER HOLE 6500' 12:15

PLACE BILONG MURUK 12:45

NAME 1:17 P.M. (6950') 7100'

ADDRESS 1:15 "TOP" K 7300'

1:30 TRUE TOP 7450'

PHONE 2:30 " " 7450'

2:50 K Top 7375'

3:30 WATER HOLE 6580

NAME 3:45 TOP CAMP 6025'

ADDRESS 4:30 LEFT TOP CAMP

4:50 X NUMBUT 5500

PHONE 5:30 ARR. GANG CR. CAMP

4700'

G-H

JULY 8, 1964

ADDRESSES

Wed

NAME

9: Dep. Z. # 2

ADDRESS

9:15 Z # 1

PHONE

9:50 NUMBENG CR.
10: BIG GARDEN

NAME

10:10 TOKOLAT CR.

ADDRESS

10:15 MUMON CR.

10:45

13ULUM CR.

PHONE

11:30 MARAN (ARR.)
ALT 3400 (RU'S ALT.)

LEFT MARAN 1:05

NAME

ARR. SELEMBANG 2:50

ADDRESS

ARR. OGERAMNANG

PHONE

3:30 TO 4:05

JULY 10 8:30

NAME

DEP. OGERAMNANG

ADDRESS

ARR. TOBO 12:45

COLL. 3 FROGS @ 500'

PHONE

RAIN A.M. CLEAR IN P.

HVA VALLEY TOBO 4600

ADDRESSES

I-J-K

NAME

TOGO TO JAPAN 3000'

ADDRESS

ARR. 6:45 P.M.

PHONE

NAME

MR. + MRS. JOHN GETTING

ADDRESS

BELAIR, S.A.

GUINEA AIRWAYS

PHONE

CHIEF ENG. 19305

T.A.A. LODGE 8 SEPT. 64

MET R. ARCHBOLD

NAME

ADDRESS

PHONE

NAME

ADDRESS

PHONE

L

ADDRESSES

NAME

MANAGER, NAMASU, LAE

ADDRESS

WILHELM FUGMANN

PHONE (KNEW LEN + DICK)

DARRELL CONWELL (BRISBANE)

26 SEPT. 1964 - TRUCK FOR OUR CARGO

NAME

WALTER + MURIEL LARNER

ADDRESS

NOV. 20, 1964 ON →

CORNER CHAFFEE ST. AND

PHONE

NARRANE

MR. KEN LEE, STEAMSHIPS, PT. M. ^{Nov. 6, 1964}

NAME

LINDSAY BURKE

ADDRESS

TOM HARTLEY

LAB AT BOTANIC GARDEN

PHONE

GIFT OF SNAKES (SEPT. 1964) ^{LAE}

NAME

JOE + BETTY HAVEL

ADDRESS

LAE SEPT. 27, 1964

PHONE

PILOT MIKE MOYLAN

KABWUM TO LAE

8 SEPT. 1964

ADDRESSES

O M

NAME MR. W. JENKIN 2

ADDRESS MR. J.C. Lowien

PHONE FORESTS

LIFE.

NAME

HEN'S REPORT

ADDRESS

R.S.L. Club July 1964

PHONE

(MARGARET)

NAME

MR. + MRS. ROY MACKAY

ADDRESS

PAPUA + NEW GUINEA
MUSEUM

PHONE

% SUPREME COURT
PORT MORESBY

NEW CURATOR - NOV. 1964

NAME

ADDRESS

PHONE

N-O

ADDRESSES

NAME

ADDRESS

PHONE

NAME

ADDRESS

PHONE

NAME

ADDRESS

PHONE

NAME

ADDRESS

PHONE

ADDRESSES**P-Q****NAME****ADDRESS****PHONE****NAME****ADDRESS****PHONE****NAME****ADDRESS****PHONE****NAME****ADDRESS****PHONE**

R

ADDRESSES

NAME

ADDRESS

PHONE

NAME

ADDRESS

PHONE

NAME

ADDRESS

PHONE

NAME

ADDRESS

PHONE

ADDRESSES

S

NAME MR. ARTHUR SCOTT
 ADDRESS 40 U.S. LINES
 PIER 62 NORTH RIVER
 PHONE N.Y. N.Y. 10011

NAME

ADDRESS

PHONE

NAME

ADDRESS

PHONE

NAME

ADDRESS

PHONE

T-U

ADDRESSES

NAME

LINNELL G. W. TILLEY

ADDRESS

QLD. AGRICULTURAL COLLEGE

LAWES, QLD.

PHONE

(NEAR GATTON - 30 MI. E.
OF TOOWOOMBA)

(AGT. OFFICER AT KABWUM 1964)

NAME

ADDRESS

PHONE

NAME

ADDRESS

PHONE

NAME

ADDRESS

PHONE

AS OF 17 JULY 1964

ADDRESSES

V-W

NAME D.C. D.N. ASHTON LAE

ADDRESS A.D.O. GR.2 J.P. SINCLAIR WAU

A.D.O. GR.1 J.L. HASTINGS LAE

PHONE " A.T. MOLONEY KIRIPIT

" K. WALTERS LAE

" G. SMITH FINSCHHAFEN

NAME " R.D.M. CLELAND LAE

ADDRESS " P.T. WRIGHT MUMENG

P.O. GR.2 D.J. LAWREY FINSCH.

PHONE " J.F. HANNAN LAE

" R.I. BARCLAY ~~LAE~~

" B.D. BROWN WAU

NAME " A.P. WOODS

" C.D. WAITE

ADDRESS

P.O. GR.1 R. WILLARD PINDIV

PHONE

D.O. S.M. FOLEY HAGEN

NAME A.D.O. GR.2 W.W. CRELLIN SAMARAI

ADDRESS " J.A. FREW ESA'ALA

" H.I. CHESTER SAMARAI

PHONE P.O.

BERAK WAIYU

X-Y-Z

ADDRESSES

NAME

ADDRESS

PHONE

NAME

ADDRESS

PHONE

NAME

ADDRESS

PHONE

NAME

ADDRESS

PHONE

BB ### ### ### ###

BB ### 11 26

M ### ### ### ###

M ### ### ### ###

11 57

P ### ### 11 13

MONK. (GUN - 1)

5

Cash Account JANUARY

	Received	Paid
GETPEREM	PUGUNAYS	
SET = FEMUR CASSOWARY		
DUBAT = LOWER LEG BONE		
6 JULY 1964		
BOUGHT FROM GAYTSON		
KILUMNUNG		
GUSE = BILUM		
ZAGLOSSUS (2)		
VBANUNG		
BERAKWAIYU		
SMILING MAN		
TEOS		

~~BELANG~~

KIRIN

bachode

MOM SIN = LAKE GUAM

UPUSENGA

Cash Account FEBRUARY

LUMBU

Received

Paid

GARE (TOUTU)

FATHER OF "REG" (INDAGEN)

22 JULY 1964

Cash Account MARCH

	Received	Paid
9:14 DEP. PINDU	3000'	
10:10 TOP RIDGE	3750'	
11:15 WAGIZALE	3800'	
12:45 DIVIDE (M-K)	4700'	
1:00 UNGESEU	4700'	
2:00 BERAKWAIYU	4900'	
1:45 HPT. LAND	5000'	

23 JULY

1:45 Dep. B.	4900'	
3:30 MEM CREEK	2725'	
LOW PT	2650'	
4:30 TAPANG	3150'	
(7:45 P.M.)	3100'	

25 JULY

Cash Account APRIL

DEP. JAP. 2	Received	Paid
8:30	3100	
JAPANG #1	8:50	3350
SAGO PALMS		3100
NENCI	9:30	3500
KESUL CR.	10:AM.	3050
LALANG	11:30	4500
" 26 July 2015		4600

27 JULY

DEP LALANG	8:30	4500
SUNGUA CR	9:00	4050
BINGHEM CR.	9:05	4050
" #2	9:15	4200
POZZERONE	10:00	4600
KANEN CR	10:30	3075
SULU	CR. 1:00	4600
ARR. AVENGU	1:30	5300

29 JULY

Cash Account MAY

	Received	Paid
DEP. AVENGU 8: -	5225	
BETZET FALLS	24900	
PRANGAN CR. 8:15		
COFFEE HOUSE	5000	
TAITMARUM	4900	
9:30	4650	
BOTTOM		
RHO. MAC. 9:30	5200	
FROGS 5400 KUWA	-7000'	
DIVIDE KUA 1:30	7800	
+ MONGI WATERS		
HIGH POINT	8300'	
ARR. ULUR CAMP 4:10	7000'	

Cash Account JULY

[illegible]

LIZ. | BLIND SNAKE | SCOR.
Cash Account SEPTEMBER | LAE

Received

Paid

WARREN IRWIN
P.O. S.I., L.

HKARUMPA
EH. DISTRICT
T.N.G.

(Send report)
ACK.

Cash Account OCTOBER

[illegible]

Cash Account NOVEMBER

[illegible]

Cash Account DECEMBER

	Received	Paid
SAM = PANDANUS		
FRUIT		
SUT = FEMUR		
DUBAT = LOWER LEG.		
QUELA = CASSOWARY		
ZEBUNUNG		

RON CARNE

AIYURA

MAMMAL COLL.

AGRON IN CHARGE

JOHN BARRETT

DIFSE - BRISBANE

SCHLAGEN
HARBOR

WASU VINCHIE POINT

SUMMARY

On hand January 1

January

February

March

April

May

June

July

August

September

October

November

December

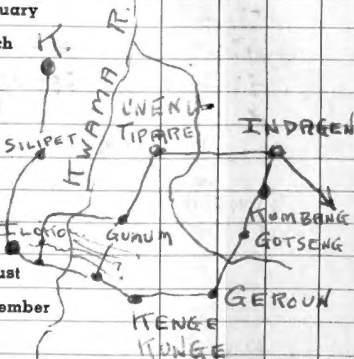
MR. S.

Total

Balance to new account

Received

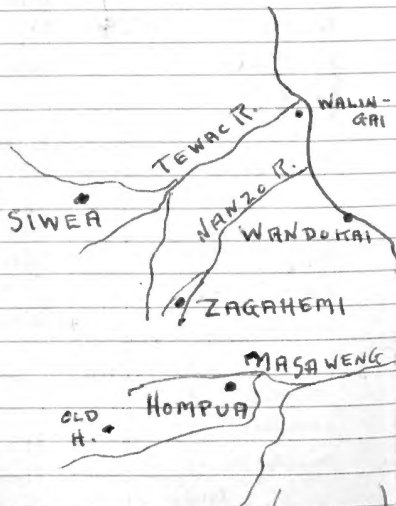
Paid



BRUCE HOOLEY —

KODACHROME MEMORANDA

I C 166768 (3-14-1964) F.



BALU - HONDO (ILOKO)
HOMBA TALK

→ UKARUMPA E.H.D.

MEMORANDA

IAN ROWLES
AGRICULTURAL OFFICER
PINDIU PATROL POST
HUBE + DEDUA
CENSUS DIVISION

Neuendettelsau

ELIZABETH
GROSSMANN
MINDIK

B. } WERNER JACOBSEN
COR. ROBERTSON
BOX 67
LAE
BUTTERFLIES

G. Harris 2410

MEMORANDA

1
P → MINDIK ^{2 1/2} → OLIGANANG
→ ZENGARAN

1 HR
OL. → SENGETA

1/2
S → SELIMBANG

1
SEL. → MARAN

2
M → ZENG.

PINDIV → UNGSESU

U. → BERAKWAIYU SU

B. → LAWANG → Pod.

P. → AYENGU

A. → HOUSE KUNAI

PODZORONG

MILTON SNEDEKER CORP'N



M
S

MODERN
METHODS
MAINTAINED IN
MOVING
MERCHANDISING
PLANS

SATISFACTION
SAFETY AND
SAVING VIA
SNEDEKER
SHIPPING
SERVICE

OCEAN FREIGHT FORWARDERS
CUSTOM HOUSE BROKERS
AIR CARGO AGENTS

MILTON SNEDEKER CORP'N

44 WHITEHALL ST.
NEW YORK 4, N. Y.

FEDERAL MARITIME COMMISSION
NO. 229

MEMBER—

NEW YORK FOREIGN FREIGHT
FORWARDERS & BROKERS ASS'N.

NATIONAL CUSTOM BROKERS &
FORWARDERS ASS'N.
OF AMERICA, INC.

MARITIME ASSOCIATION—PORT OF
NEW YORK

COMMERCE & INDUSTRY ASSOCIATION
OF NEW YORK

FOREIGN COMMERCE CLUB OF
NEW YORK

REFERS TO—

FIRST NATIONAL CITY BANK,
NEW YORK

MORGAN GUARANTY TRUST CO. OF
NEW YORK

THE CHASE MANHATTAN BANK,
NEW YORK

CORRESPONDENTS EVERYWHERE

1965	SUN.	MON.	TUE.	WED.	THU.	FRI.	SAT.	1965	SUN.	MON.	TUE.	WED.	THU.	FRI.	SAT.	
JAN						1	2	JUL						1	2	3
	3	4	5	6	7	8	9		4	5	6	7	8	9	10	
	10	11	12	13	14	15	16		11	12	13	14	15	16	17	
	17	18	19	20	21	22	23		18	19	20	21	22	23	24	
	24	25	26	27	28	29	30		25	26	27	28	29	30	31	
	31								1	2	3	4	5	6	7	
FEB		1	2	3	4	5	6	AUG	8	9	10	11	12	13	14	
	7	8	9	10	11	12	13		15	16	17	18	19	20	21	
	14	15	16	17	18	19	20		22	23	24	25	26	27	28	
	21	22	23	24	25	26	27		29	30	31					
	28															
MAR		1	2	3	4	5	6	SEP				1	2	3	4	
	7	8	9	10	11	12	13		5	6	7	8	9	10	11	
	14	15	16	17	18	19	20		12	13	14	15	16	17	18	
	21	22	23	24	25	26	27		19	20	21	22	23	24	25	
	28	29	30	31					26	27	28	29	30			
APR					1	2	3	OCT						1	2	
	4	5	6	7	8	9	10		3	4	5	6	7	8	9	
	11	12	13	14	15	16	17		10	11	12	13	14	15	16	
	18	19	20	21	22	23	24		17	18	19	20	21	22	23	
	25	26	27	28	29	30			24	25	26	27	28	29	30	
									31							
MAY						1		NOV		1	2	3	4	5	6	
	2	3	4	5	6	7	8		7	8	9	10	11	12	13	
	9	10	11	12	13	14	15		14	15	16	17	18	19	20	
	16	17	18	19	20	21	22		21	22	23	24	25	26	27	
	23	24	25	26	27	28	29		28	29	30					
	30	31														
JUN			1	2	3	4	5	DEC				1	2	3	4	
	6	7	8	9	10	11	12		5	6	7	8	9	10	11	
	13	14	15	16	17	18	19		12	13	14	15	16	17	18	
	20	21	22	23	24	25	26		19	20	21	22	23	24	25	
	27	28	29	30					26	27	28	29	30	31		

Manufactured by
Advertising Corp. of America, Holyoke, Mass.

100221982

